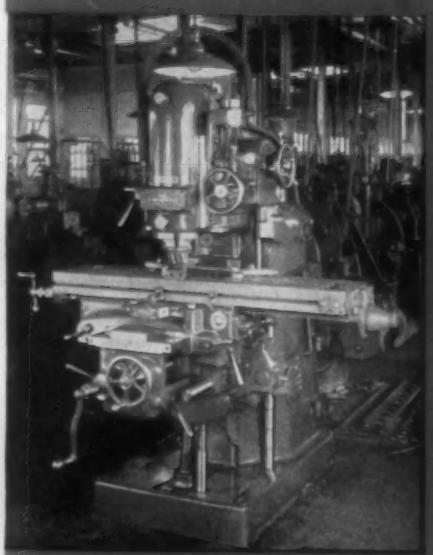
EXPOSITION NUMBER

# TEXTILE BULLETIN

Vol 52 APRIL 1, 1937 No. 5

## H & B PLANT MODERNIZATION PROGRAM ANTICIPATES BIG DEMAND FOR NEW PRODUCTS



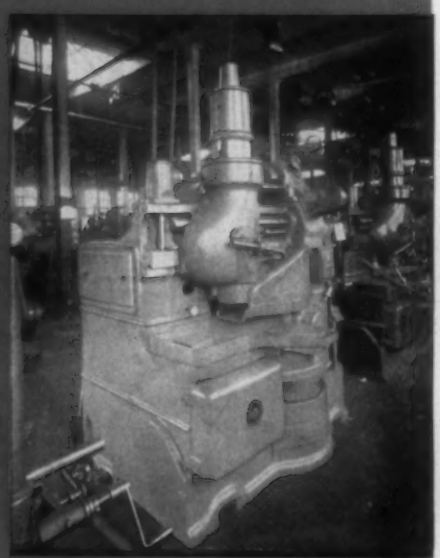
One of the new vertical milling machines at the H & B plant.

H & B American Machine Company of Pawtucket, R. I. has recently made a number of additions to its line of textile preparatory and spinning machinery. Some of the new items are so revolutionary in nature and preliminary interest in them is so keen that the company anticipates a big demand for them when they are formally put on the market.

Because of this fact and because the company in common with other manufacturers finds it necessary to offset increased labor costs and higher taxes with lower manufacturing costs, a complete plant modernization program has recently been instituted.

Every department in the plant, from the foundry to the erecting departments, has benefited by this program. New machinery installed includes the latest type moulding machines, a machine for cleaning castings at a cost of nearly $7000, modern high speed milling machines, drills, lathes, automatic screw machines, tapping chucks, grinders, new bending machines in the tin shop, new precision tools for gauging and many other types of special equipment.

The Company has also developed a new process of hardening, rounding and polishing spinning and twister rings, which has greatly increased the demand for these products.



New Fellows Gear Shaper recently installed in H & B plant.

**Note**

• One of the most important additions to the H & B line will be in operation at the Greenville Show and is announced and described on pages 8 and 9 of this issue. DON'T FAIL TO READ ABOUT IT.

# RHOADS TANNATE BELTING

## WE CORDIALLY INVITE YOU

To Stop and See Our

## MOVING EXHIBIT of TANNATE BELTING

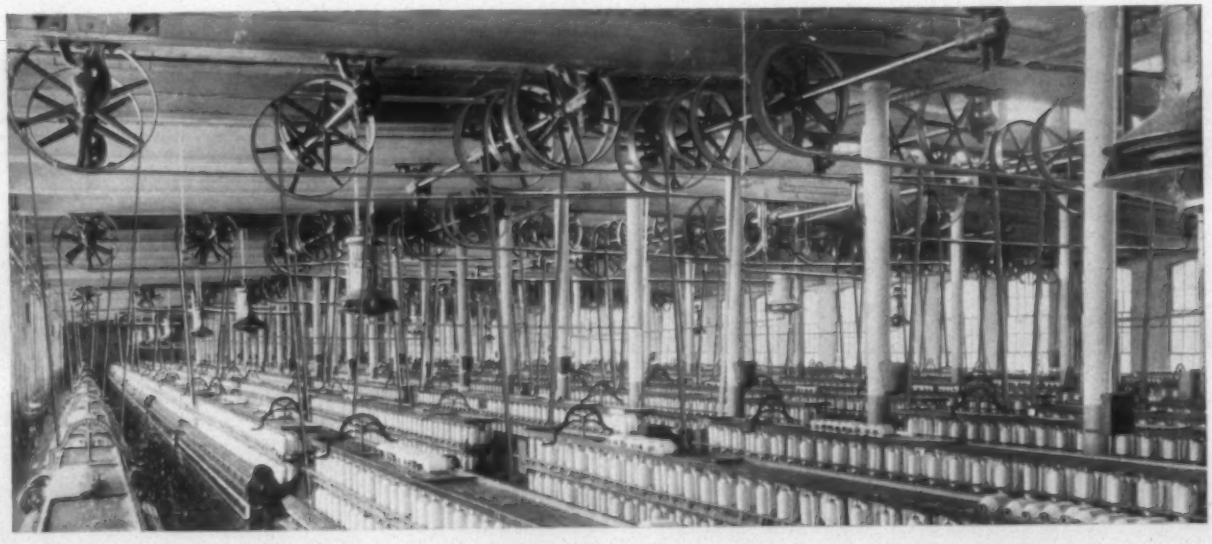
As well as other Specialties at Booths Nos. 245-246.

## SOUTHERN TEXTILE EXPOSITION

**Greenville, S. C., April 5th through 10th, 1937.**

**REMEMBER, A WELCOME AWAITS YOU!**

In a Southern Textile Mill.



The spinning room pictured above shows an equipment of Rhoads Leather Belts, with the remarkable Tannate grip and stamina. The company has five large mills all using Rhoads Leather Belts. On the lighter, less exacting drives they use Rhoads Gilt Edge oak tanned belts. But on the great majority of their drives they find that Tannate Leather gives increased production, longer belt life and greater economy.

## J. E. RHOADS & SONS

**Philadelphia, 35 North Sixth Street**

**New York, 102 Beekman Street** — **Chicago, 26 North Clinton Street**

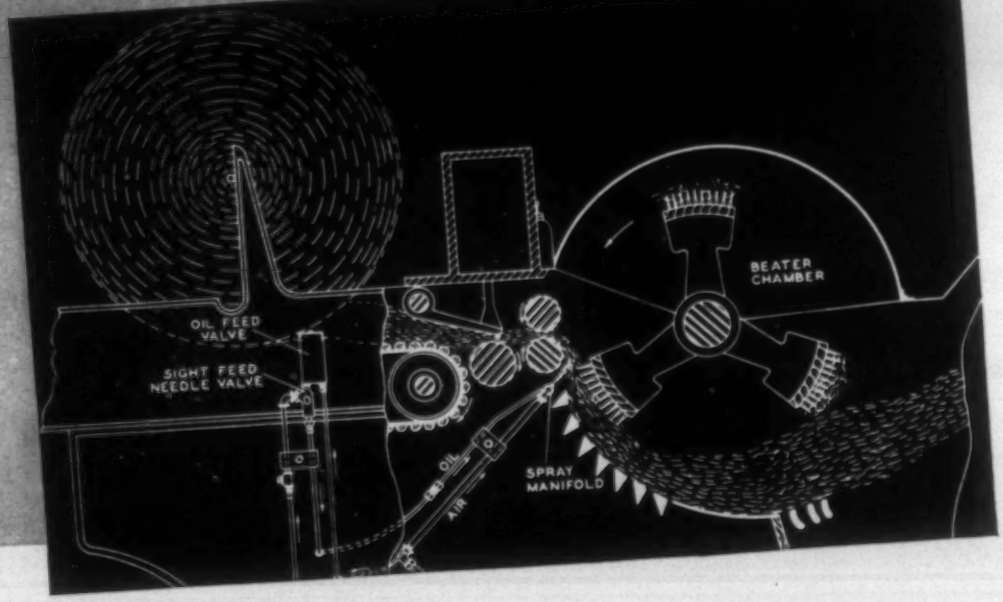
**Atlanta, 88 Forsyth Street, S. W.** — **Cleveland, 1200 West Ninth Street**

**Factory and Tannery: Wilmington, Delaware**



PUBLISHED EVERY THURSDAY BY CLARK PUBLISHING COMPANY, 118 WEST FOURTH STREET, CHARLOTTE, N. C. SUBSCRIPTION $2.00 PER YEAR IN ADVANCE. ENTERED AS SECOND CLASS MAIL MATTER MARCH 2, 1911, AT POSTOFFICE, CHARLOTTE N C UNDER ACT OF CONGRESS, MARCH 2, 1897.

# A FAR-REACHING DEVELOPMENT IN *Cotton Conditioning*




YOU can assure the success of cotton conditioning in your mills, by investigating the Texspray System.

Texspray Compound is applied as the cotton fiber enters the beater chamber of the picker. *This is the one place where each fiber can be treated with Texspray evenly and completely.*

Several of the most outstanding groups of cotton mills in the South are using Texspray and Texspray Equipment with complete success. It is saving money for them.

Conditioning cotton with Texspray Compound will save *you* money, provide healthier working conditions for *your* employees, improve the quality of *your* yarn. We are prepared to install the Texspray System in various sections of the United States. Write for free booklet which fully explains cotton conditioning with Texspray Compound.

☆ ☆ ☆

THE TEXAS COMPANY · 135 East 42nd Street, N. Y. C.

**SAVES MONEY.** More production from each bale.

**PROMOTES BETTER WORKING CONDITIONS.** Healthier, happier operators produce better work.

**IMPROVES PRODUCT.** Makes fibers more flexible . . . easier to draft . . . less breakage of fiber. Produces smoother yarn.

**INCREASES PRODUCTION.** Less end breakage on each operation, from card to loom or knitting machine. Static nuisance controlled.

**REDUCES FLY AND DUST.** Card-room fly reduced 70%. Less fly and dust all along the line. Less shedding in spinning and weaving operations.

**You are invited to visit THE TEXACO EXHIBIT, Booths Nos. 455 and 456 in the Annex, Textile Hall, Greenville, S. C. — Southern Textile Exposition — April 5 to 10, 1937. YOU WILL BE WELCOME.**

*Cotton Conditioning with*

# TEXACO TEXSPRAY COMPOUND

# NATIONAL CARBANTHRENE

## PRINTING POWDERS

BRILLIANT · UNIFORM · FAST

For unequaled penetration, sharper prints and better color value in fine lines, scroll work and stipple effects use NATIONAL (Instantly Dispersable) CARBANTHRENE PRINTING POWDERS, the vat color types that remain unchanged in storage thus assuring consistent uniformity on repeats.

**NATIONAL ANILINE & CHEMICAL COMPANY, Inc.**
**40 RECTOR STREET** **NEW YORK, N. Y.**

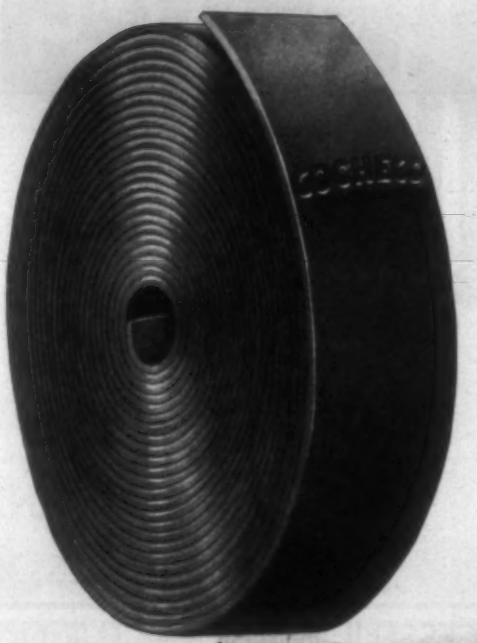
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| PROVIDENCE | 15 Westminster St. | GREENSBORO | Jefferson Standard Bldg. |
| CHICAGO | 357 W. Erie St. | ATLANTA | 140 Peachtree St. |
| PHILADELPHIA | 200-204 S. Front St. | CHATTANOOGA | James Bldg. |
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NATIONAL N DYES

# Cocheco *for Export*

*May we send the Belting booklet?*




THE steamship dock on sailing day! A melee of freight cars, drays and trucks—a bedlam of shouted orders, puffing engines, rattling cranes—and outstanding with the crated cargo for a distant land—**Cocheco Belts.**

The demand for Cocheco belting is not confined to the home ports; export orders carry it to European centers, to India, Japan and into an ever-widening field of service.

Wherever power transmission is required there is a place for Cocheco. For the heavy pull, the extremes of service, for adverse conditions — nothing like Cocheco belting.

**I. B. WILLIAMS & SONS**

**Dover, New Hampshire**

NEW YORK CHICAGO DETROIT GREENVILLE CHARLOTTE



# DOUGLAS

# textile starches

REPRESENT
THE ADVANTAGES OF
SUCCESSFUL MANUFACTURING
EXPERIENCES OF MANY YEARS — —
WE BELIEVE THE UNIFORM QUALITY OF
THESE STARCHES IS THE REASON WHY SHIP-
MENTS IN 1936 WERE THE LARGEST IN OUR HISTORY.

MANUFACTURED AND SOLD BY

## PENICK AND FORD, LTD., INC.

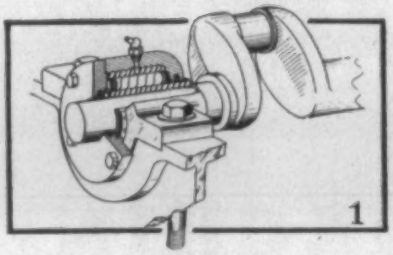
CORN STARCHES-DEXTRINES-GUMS-SUGARS-SYRUPS

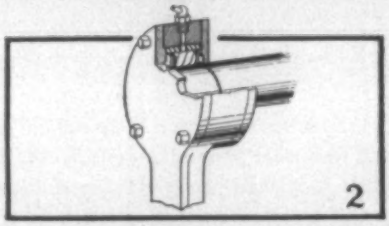
NEW YORK, N. Y. CEDAR RAPIDS, IOWA

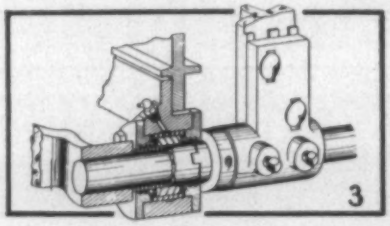
REPRESENTATIVES THROUGHOUT THE SOUTH

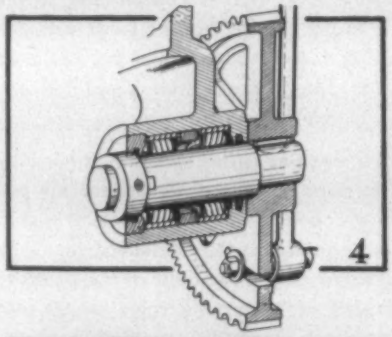
# To Mill Operators

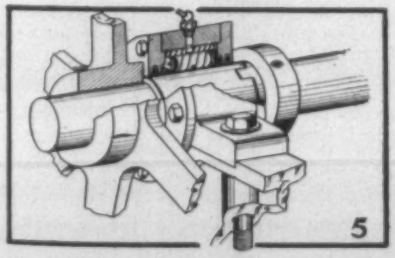
## Contemplating Purchase of Looms

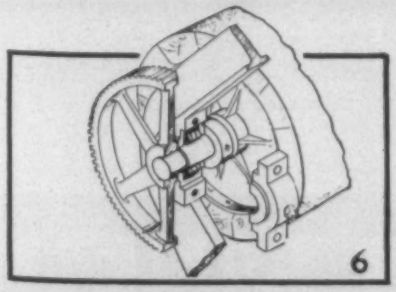



## *Look Over These Facts:*

Over 200,000 Hyatt Roller Bearings are operating in woolen, worsted, cotton, rayon, silk and carpet looms.

Use of HYATTS fast increasing. Over 70,000 already on order for 1937 looms.

Mills that have experienced the benefits of these bearings in looms are re-ordering. Many new customers are specifying them.

Foreign mills insist on these modern efficient bearings for their new looms.

Hyatts are standard equipment in Crompton & Knowles woolen, worsted, and carpet looms; almost always included in their rayon and silk looms. Now being furnished on specification in their cotton looms.

Hyatt Bearings are being furnished on specification by Draper Corporation in their X and XK model looms. And a great many are being specified.

You can't afford to purchase new looms today with obsolete plain bearings. With speeds increasing and improvements in accuracy being made daily where will your looms rate 5, 10, 15, 20 years from now unless they have modern bearings? How can they compete with Hyatt equipped looms?

Write: "Equip with Hyatt Roller Bearings" in your loom and also all other Textile Machinery specifications. Further details upon request. Hyatt Bearings Division, General Motors Corporation, P. O. Box 476, Newark, N. J.

**1**—Crankshaft **2**—Crankshaft Outboard **3**—Rockershaft
**4**—Dobby Drive **5**—Bottom Shaft **6**—Take-up Drum

VISIT THE HYATT EXHIBIT AT THE SOUTHERN TEXTILE EXPOSITION, SPACE 120—FIRST FLOOR—MAIN HALL

# HYATT

*Roller Bearings*

# ANNOUNCI

## H & B MULTIPLE DRAFT ROVING FR

(HARRIS PATENTS)

# A ONE PROCESS MACHINE

This machine takes a 60 grain sliver direct from the drawing frame and, in one continuous operation, reduces this sliver to roving suitable for spinning either by the old three roller process or by any type of long draft system.

It is RADICALLY DIFFERENT from any other single process roving frame in that it involves a series of four SHORT drafting operations instead of a combination of short and LONG draft. At the same time, because of the greater number of drafting operations and because of a novel method of fibre control, it permits much greater reduction of the sliver than do other methods, HAVING A DRAFTING RANGE OF FROM 20 TO 100 with the standard gear construction.

The machine employs a vertical drafting system instead of the usual horizontal arrangement. As shown in the illustration the drafting unit consists of two sets of metallic rolls, two revolving drafting heads and one set of conventional rolls, i.e. a fluted roll and a cushioned and weighted top roll. Each revolving head consists of one set of rolls, revolving in the usual way, but set inside of a disc which also revolves horizontally. The first disc revolves in a clockwise or Z twist direction while the second disc revolves in a counter-clockwise or S twist direction.

Due to this ingenious and novel arrangement the sliver is drafted and twisted simultaneously in a manner closely akin to hand spinning. This fact helps to make the sliver narrower as it progresses through the rolls and prevents uneven, ragged selvedges. It also results in better fibre control and hence more even and better quality yarn.

Because of the great reduction and exceptional fibre control that are possible with the H & B Multiple Draft Roving Frame it must be evident that in most cases this system OBVIATES THE NECESSITY OF LONG DRAFT SPINNING, at the same time effecting all economies that modern spinning practice demands.

There are other novel and important departures from standard practice in the construction of this new H & B roving frame, among which are a new flyer design and a new doffing arrangement.

The new flyer is independently driven and is cylindrical or shell like in shape, having the usual presser foot inside of the cylinder. As it has no legs to spread apart from centrifugal force, it can be operated at greatly increased speed. Furthermore, unlike the old style two legged flyer, it does NOT create violent air currents and thus disturb the stock. Because of this new flyer construction SPEEDS OF APPROXIMATELY 2000 R.P.M. ARE POSSIBLE, which means that THE PRODUCTION PER BOBBIN IS TWICE THAT OBTAINED FROM AN ORDINARY ROVING FRAME.

The doffing arrangement is new in that the bobbin rail can be lowered by means of a lever that is comparable to the hand brake lever on a motor car. Another lever tilts the bobbin rail forward so that the bobbins can be removed with a minimum of effort. Thus is the doffing simplified and shortened.

Another feature of the machine is the fact that it has only one row of bobbins. This does not cut down production per machine because the flyers operate at twice the usual speed. The advantage of the arrangement is that it necessitates only TWO or THREE rows of sliver cans at the back of the machine instead of the usual FOUR or even FIVE rows, which fact greatly facilitates replacement of empty cans and the piecing up of back ends. It also permits a more nearly vertical lift of the sliver from the cans and therefore eliminates the rubbing of the sliver over the can rims.

The spacing of rolls on the machine is easily accomplished and all rolls are kept continuously clean by a series of revolving clearers. All working parts are readily accessible so that no bending over and stretching are required of the operative.

The H & B Multiple Draft One-Process Roving Frame is the machine of tomorrow. Don't fail to see it at the Greenville Show.

Descriptive circular will be mailed on request.

## H & B AMERICAN MACHINE COMPANY

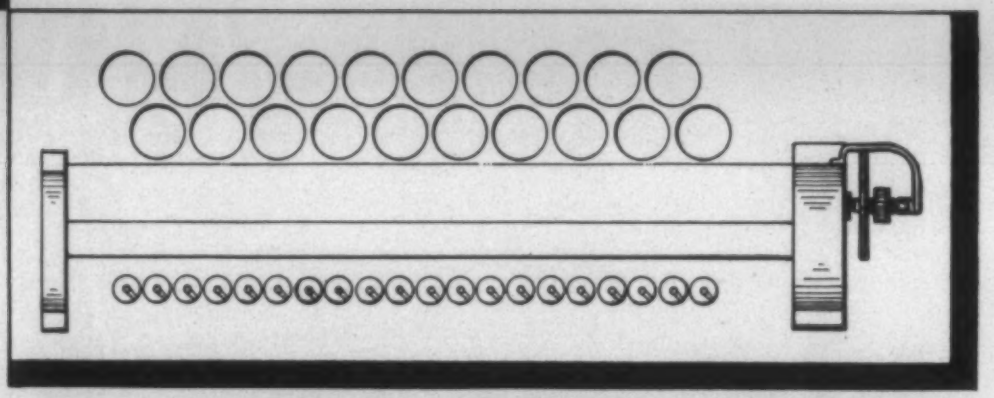
*Cotton Preparatory and Spinning Machinery*

PLANT AT PAWTUCKET, RHODE ISLAND

# NG

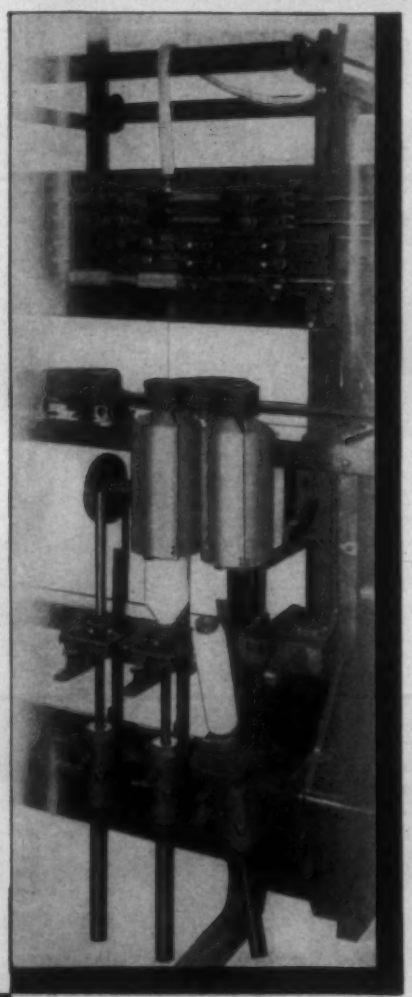
## FRAME

# See it in Operation at the Greenville Show!



FLOOR PLAN. Note single row of bobbins and only two rows of sliver cans. Replacement of empty cans and piecing up of back ends are facilitated by this arrangement.

FLYERS AND DOFFING ARRANGEMENT. The cylindrical construction of the flyers eliminates the use of legs and the spreading of same at high speeds; also violent air currents. Consequently the flyers can be operated at twice the usual speed. Note that bobbins can be lowered clear of the flyers and tilted forward for easy doffing.



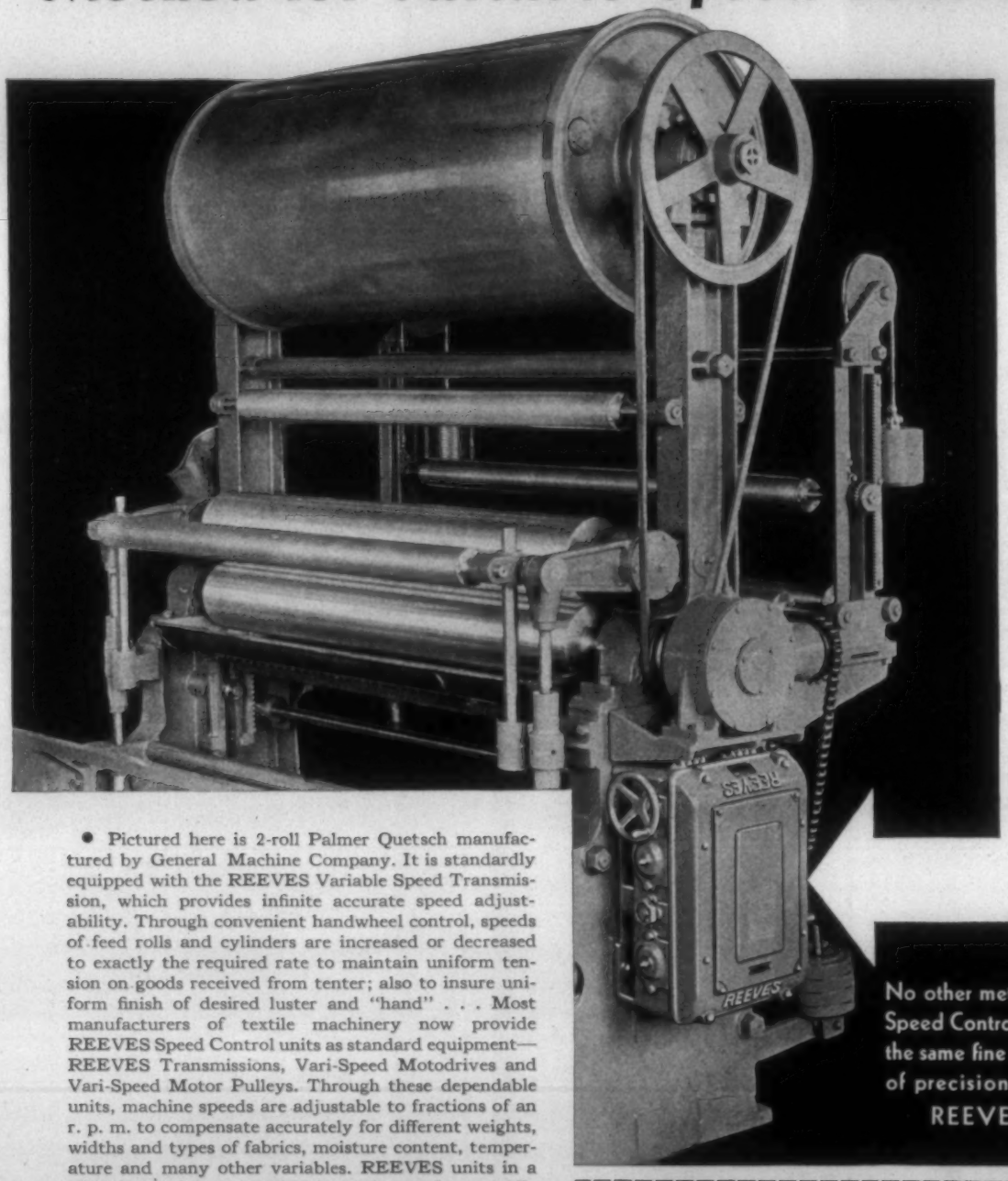


# 4 Machines in 1

VERTICAL DRAFTING ASSEMBLY consisting of two sets of metallic rolls, two revolving drafting heads and one set of conventional rolls, i.e. a fluted roll and a cushioned and weighted top roll.

BOSTON OFFICE:
161 DEVONSHIRE STREET
ATLANTA OFFICE:
815 CITIZENS AND SOUTHERN NATIONAL BANK BUILDING
CHARLOTTE OFFICE:

# TEXTILE INDUSTRY'S *Approved*
## *Method for Variable Speed Control*




No other method of Speed Control offers the same fine degree of precision as the REEVES.

• Pictured here is 2-roll Palmer Quetsch manufactured by General Machine Company. It is standardly equipped with the REEVES Variable Speed Transmission, which provides infinite accurate speed adjustability. Through convenient handwheel control, speeds of feed rolls and cylinders are increased or decreased to exactly the required rate to maintain uniform tension on goods received from tenter; also to insure uniform finish of desired luster and "hand" . . . Most manufacturers of textile machinery now provide REEVES Speed Control units as standard equipment—REEVES Transmissions, Vari-Speed Motodrives and Vari-Speed Motor Pulleys. Through these dependable units, machine speeds are adjustable to fractions of an r. p. m. to compensate accurately for different weights, widths and types of fabrics, moisture content, temperature and many other variables. REEVES units in a wide range of sizes, speed ratios and controls are easily applied to machines now in use in cotton, wool, silk and rayon production. REEVES engineers are at your service to work out any application.

**REEVES**
**SPEED CONTROL**

**Exhibiting at Southern Textile Exposition • Booths 240-241**




**FREE** • New edition of 118-page Speed Control Handbook packed full of helpful information for any mill operating executive.

**REEVES PULLEY CO., COLUMBUS, INDIANA**

Send, without obligation, copy of new Speed Control Handbook, describing REEVES units and their applications in textile plants.

*Name*.....

*Company*.....

*Address*..... (TB-47)

SINCE 1873

Supreme



Perkins Quality Rolls

NO CALENDER CAN BE BETTER THAN THE ROLLS IN IT

The superior finishing qualities of Perkins Calender Rolls are the natural result of the broadest experience in this highly specialized field of manufacture.

Perkins roll shop is the largest in the world.

Perkins organization is always prepared to build your rolls to meet exactly your production requirements.

Perkins refills and remakes include the rolls of any manufacture, domestic or foreign, for any application in the textile industry.

B. F. Perkins & Sons, Inc., Holyoke, Mass.

ENGINEERS AND MANUFACTURERS



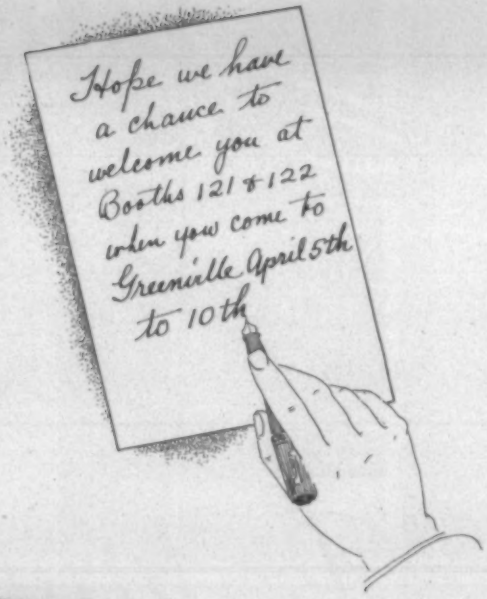

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COTTON ROLLS
HUSK ROLLS
COMBINATION ROLLS
COTTON AND WOOL ROLLS

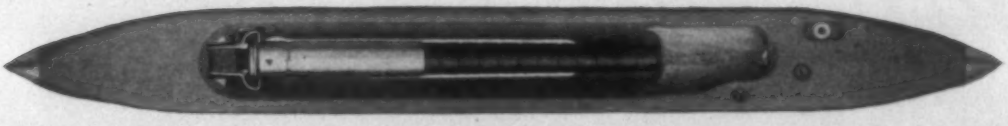
CHASING CALENDERS
ROLLING CALENDERS
SCHREINER CALENDERS
EMBOSSING CALENDERS
FRICTION CALENDERS
SILK CALENDERS

CLOTH PILERS
DRYING MACHINES
JIGS
MANGLES
MULLEN TESTERS
PADDERS
SQUEEZERS
WASHERS
WINDERS

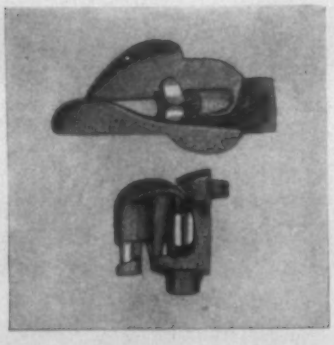



# Shuttle Headquarters at the Textile Show



You will find a sincere welcome awaiting you at Shuttle Headquarters every day of the Show. On display will be a complete line of Watson-Williams regular, automatic and fibre shuttles. We will be glad to tell you in detail why the large mills weaving rayons have selected Watson-Williams' Center Tension Eye as their first choice of all tension eyes, and their reasons for this decision. Watson-Williams' complete line of heddle frames, heddles, wood and fibre shuttles including the Expanding Ear Clip Catch which protects the base of metal tubes and wooden bobbins, the One Piece Cast Iron Eye for Automatic Shuttles, and hand stripper cards will be there for your inspection. Please plan to stop by.



## WATSON-WILLIAMS MFG. CO.

LEICESTER, MASS.



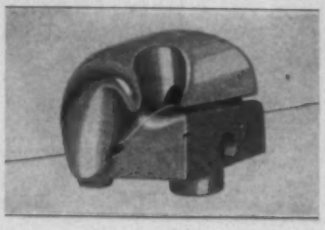

MILLBURY, MASS.

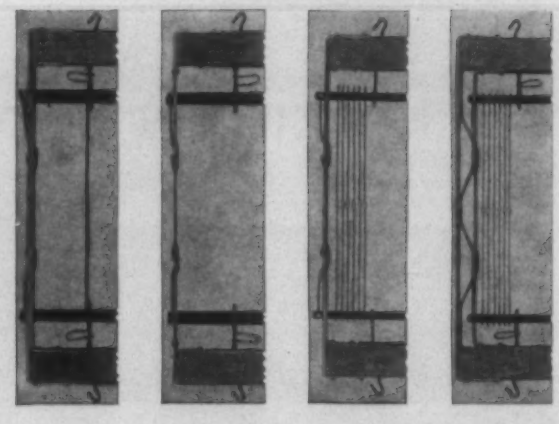
*THE SHUTTLE PEOPLE*

Southern Representatives
D. C. RAGAN, Box 1126, High Point, N. C.
E. V. WILSON, 107 Elm St., Greenville, S. C.

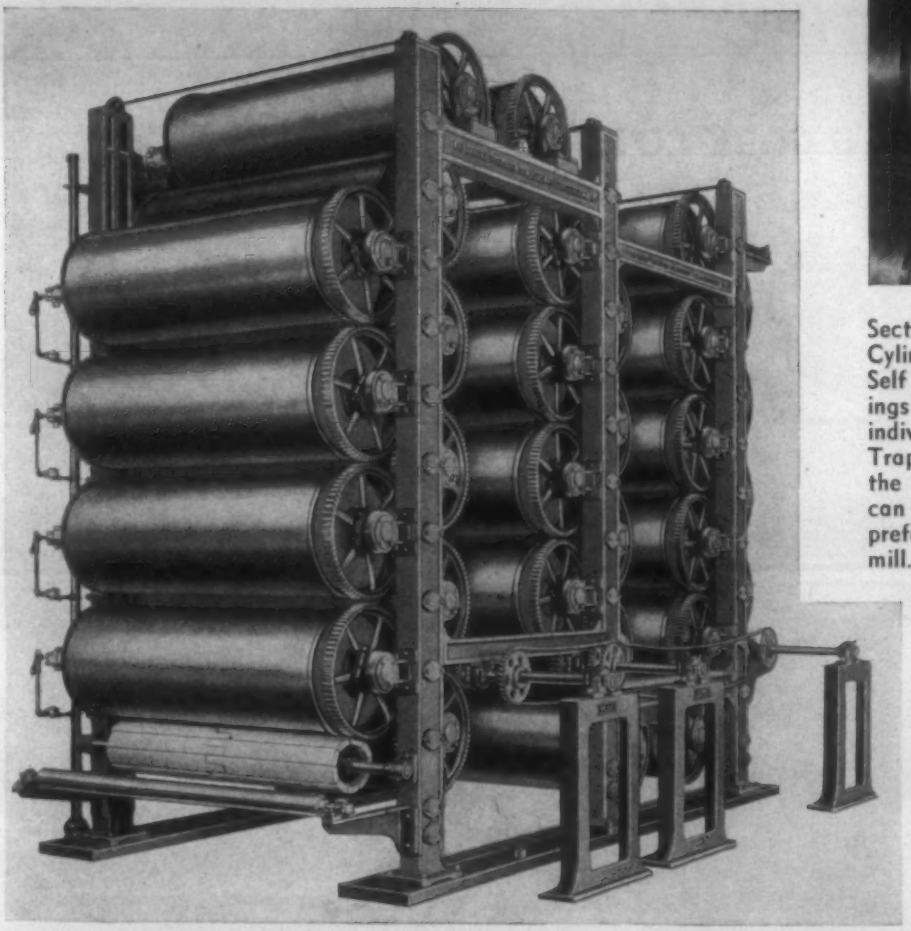


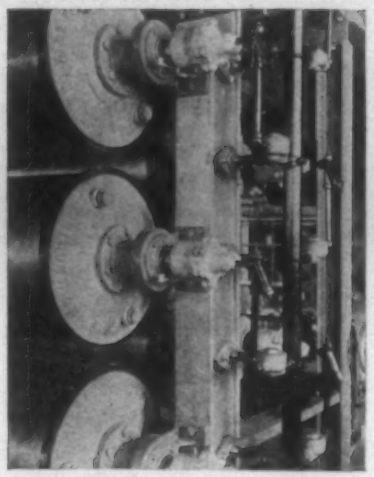






# CYLINDER DRYING EQUIPMENT





Sectional view showing Drying Cylinders equipped with Textile's Self Aligning Roller Bearing Housings and other features including individual Syphons, Johnson Joints, Traps and Strainers controlling the removal of condensate. Traps can be furnished according to the preference or requirements of the mill.

● We invite you to visit our booth at the Southern Textile Exposition, Greenville, S. C., where we will have on exhibit a Drying Machine Unit equipped with all the features mentioned in this ad.

Booth No. 114, Main Floor, Textile Hall

Recent developments and improvements in design are illustrated in the Drying Machine shown above. Particular attention is called to the fact that the new features incorporated into the construction of Textile's Latest Drying Equipment are all in accordance with the modernization programs of many well known Southern and Eastern Finishing Plants.

Cylinders offered consist of Sheet Copper with single brazed seams, rolled and plannished to a hard smooth surface—Seamless Drawn Copper Tube Construction—Special Fabricated Stainless Steel with single welded precision ground seams—Standard Tinned Iron.

Textile's Drying Equipment includes Upright and Horizontal designs, built to any required face and number of cylinders.

## The Textile Finishing Machinery Co.



**New York Office**
**50 Church St.**

**Southern Office**
**Johnston Bldg., Charlotte, N. C.**

***Providence, R. I.***

Manufacturers of Machinery for Bleaching, Mercerizing, Dyeing, Drying, Printing and Sanforizing Textile Fabrics

MILLS SPINNING TIRE FABRIC YARN NOW OPERATE

# MORE THAN ¼ MILLION ACTIVE SPINDLES

ON ARMSTRONG'S CORK COTS



NO matter what type of yarn you spin you can save money—enjoy many advantages—with Armstrong's Seamless Cork Cots. The total spindlage now operating on cork in all branches of the industry prove this! Mills spinning tire fabric yarn, for instance, now have 290,768 active spindles on Armstrong's Seamless Cork Cots.

The cost of these cots is no greater than that of any other roll covering material. Yet they bring you far greater savings. They're more resilient and more uniform. They mean low assembling costs with no waste. They last longer, require fewer roll changes. They spin a stronger, more uniform yarn. *And they reduce total roll covering costs 50% and more!*

It will pay you to get all the information about Armstrong's Seamless Cork Cots. Learn how they can aid in spinning *your* type of yarn. For detailed facts and figures ask your nearest Armstrong representative or write direct to Armstrong Cork Products Co., Textile Division, 921 Arch Street, Lancaster, Pennsylvania.



*Visit the Armstrong Exhibit*
SECTION 131 *First Floor*
*Southern Textile Exposition, Greenville, S.C., April 5–10*

FOR SPINNING AND CARDROOM ROLLS

## ARMSTRONG'S EXTRA CUSHION SEAMLESS CORK COTS

ARMSTRONG HAS MADE CORK PRODUCTS SINCE 1860

TEXTILE BULLETIN

Vol. 52 April 1, 1937 No. 5

# Plans Are Complete for Opening of Textile Exposition

With the exception of a few final touches on some of the exhibits, everything is in readiness for the opening of the twelfth Southern Textile Exposition in Greenville, S. C., April 5th. The Show, which is the only one of its kind held in the United States, will be opened with appropriate exercises at 10 o'clock Monday morning and will close at noon Saturday.

### A Sell-Out of Space

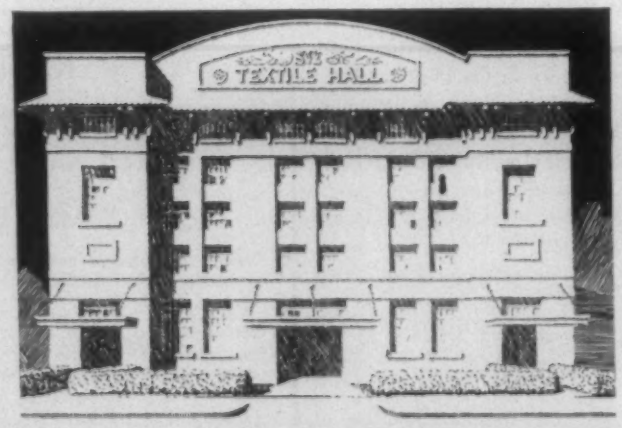
At the time this was written, exhibit space was practically a "sell-out", with only three small booths in the balcony unreserved and with indications that these would be taken. The exhibits present an imposing collection of modern textile equipment and a convincing array of mechanical and chemical processes. In number of exhibits, diversity of products and interesting new developments, this year's Exposition promises to establish a new mark.

Important improvements in Textile Hall, where the Expositions are held, include the installation of a telephone switchboard for the convenience of exhibitors and visitors, and painting of the interior of the permanent Annex. Ceiling and wall decorations, in a color scheme of green, goldenrod and geranium, are unusually attractive.

### Anticipate Huge Attendance

Advance room reservations at hotels and private homes indicate a record-breaking attendance of mill officials and operating executives from all over the South. Individual invitations, with admission tickets for their department heads, have been sent to every Southern textile mill president and superintendent.

The Show this year will be open to the general public only on Monday. For the remainder of the week, admittance will be confined to mill men and invited guests. Children under sixteen years of age cannot be allowed in the building. The management explains that both rules were adopted because of lack of space in the aisles and requests the cooperation of parents in enforcing the rule relating to the admittance of children under the above age.




### Suggest Advance Reservation

It is suggested that all visitors who expect to remain overnight in Greenville, make reservations as far in advance as possible. The Rooms Committee will take care of all such applicants for accommodations, and Miss Jennie L. Allen, secretary, is now stationed at Textile Hall to handle this work. The Southern Railway System has announced the operation of nightly Pullman service from Atlanta and Greensboro, returning at midnight to the point of departure.

### Lapel Buttons

Lapel buttons in different colors will again be supplied for mill men, to assist exhibitors in identifying them and the departments with which they are connected. This feature was inaugurated at the last show and proved very helpful. The buttons will also permit the wearers to go in and out of the building without showing their admission cards each time. The colors of the buttons, with the class of executive each one designates, are as follows: Grey—Presidents, Vice-Presidents, Treasurers, General Managers, Agents and Secretaries. Blue—Superintendents. Orange—Master Mechanics. Green—Overseers and Second Hands. The buttons may be obtained at the Hall.

Through the courtesy of the Greenville City Council, parking tags have been provided for all visitors, entitling the car owner to exemption from parking time limits in the city from April 2nd to 10th, inclusive.

### Praise for Management

Visitors and exhibitors at past Southern Textile Expositions have been en-

*(Continued on Page 91)*

# Highlights of Show Week

## Daily Program of Events

### MONDAY

10:00 A. M.—Opening Exercises. Presiding officer, Dr. B. E. Geer, president of Furman University and former president of Textile Hall Corporation.

Invocation—Rev. R. F. Morris.

Song—"America" (first verse).

Address—Honorable Olin D. Johnston, Governor of South Carolina.
Introduced by Honorable John McHardy Mauldin, Mayor of Greenville.

### TUESDAY

1:00 P. M.—Greenville Rotary Club Luncheon at Poinsett Hotel. Visiting Rotarians are cordially invited to attend.

### WEDNESDAY

10:00 A. M.—Arrival of German Visitors. Fifty textile manufacturers from Germany will visit the exposition.

### Meeting Textile Section A. S. M. E.

*Morning Program*

9:00 A. M.—Registration opens, second floor Hotel Poinsett.

9:30 A. M.—Technical Session, Ball Room. Presiding Officer—John A. McPherson.

"Textile Plant Fire Protection For Southern Textile Mills in Which Modernization Programs Are Contemplated," by Asa Hosmer, Southern Field Manager, Factory Insurance Association, Charlotte, N. C., Member A.S.M.E.

"The Humphrey Pump," by W. M. Simpson, Clemson College, Clemson, S. C. Student Member A.S.M.E.

"Rayon Staple," by H. Kennette, Cut Rayon Department, E. I. du Pont de Nemours & Company, New York, N. Y.

"Engineering Research and the Developments of Human and Natural Resources," by W. Harry Vaughan, Director of State Engineering Experiment Station of Georgia, Atlanta, Georgia.

*Evening Program*

6:30 P. M.—Dinner (Informal) Club Dining Room, Hotel Poinsett.

Toastmaster: Eugene W. O'Brien ,Vice-President, W. R. C. Smith Publishing Co., Atlanta, Ga. Past Vice-President A.S.M.E.

"Southern Textile Industry Today," by J. E. Sirrine, President, J. E. Sirrine & Co., Engineers, Greenville, S. C. Member A. S. M. E.

"Standardization Needed in the Textile Industry," by A. W. Benoit, Chairman, Textile Division, A.S.M.E.

"Research in the Chemical Age," by Dr. William J. Hale, Consulting Chemist, Dow Chemical Company, Midland, Michigan.

### Meeting of Lowell Alumni

6:30 P. M.—Lowell Textile Institute Alumni Meeting at Dave Stansell's Eating Place, Buncombe Road. All former students of both day and night school are invited to attend and are requested to register with Harold P. Goller, Booth No. 306, Textile Hall upon arrival. Speaker, Dr. Charles H. Eames, President of Lowell Textile Institute.

### THURSDAY

1:00 P. M.—Luncheon to German visitors at The Pines.

1:00 P. M.—Greenville Kiwanis Club Luncheon at Poinsett Hotel. Visiting Kiwanians Cordially invited.

### FRIDAY

### Southern Textile Association Day

12:30 P. M.—Luncheon at Poinsett Hotel. Speaker: Dr. E. W. Sikes, president Clemson College

10:00 P. M.—Dance at Poinsett Hotel.

### SATURDAY

12:00 Noon—Exposition Closes.

**+ REGISTER +**

**AT TEXTILE BULLETIN BOOTH**

**No. 204, Second Floor**

**Main Building**

**Textile mill officials and operating executives are requested to register at Textile Bulletin's booth as soon as possible after reaching Textile Hall.**

**Continuing the service it has rendered at past Expositions, this journal will publish at frequent intervals each day, Exposition Bulletins, carrying the names of those attending the show and announcements of interest to exhibitors.**

# The Official Lineup



MISS BERTHA M. GREEN
Secretary

## Exposition Personnel

| | |
|---|---|
| William G. Sirrine | General Manager |
| L. W. Carter and A. P. Geer | Aides to General Manager |
| Paul C. Davis | Superintendent |
| Bertha M. Green | Secretary |
| Anna S. Greene | Assistant |
| Inza T. McQuown | Assistant |
| Emilie M. Bird | Information Desk |
| Jennie L. Allen | Room Reservations |



W. G. SIRRINE
General Manager

## Exposition Committees

### Southern Textile Association

Edwin Howard, Chairman; Walter W. Greer, J. H. Spencer

### Reception

A. C. Mann, Chairman; L. P. Hollis, Ben T. Leppard, R. C. Peace, C. F. Stansell, F. L. Still, B. F. Underwood.

### Program

L. S. Ligon, Chairman, Geo. D. Fryfogle, L. F. Kelly, Pat McGarity, W. W. Rogers.

### Hotel Reservations

John A. McPherson, Chairman; M. O. Alexander, A. H. Cottingham, L. M. Glenn, Hext M. Perry, Harold R. Turner, Walter F. Woodward.

### Rooms

J. H. Huff, Chairman; E. M. Cushman, Hargraves Gill, C. H. Patrick, W. J. Still.

### American Society of Mechanical Engineers

Earle R. Stall, Chairman; Prof. S. B. Earle, Clemson College, S. C.; Henry H. Iler, Union Bleachery, Greenville, S. C.; Jas. B. Mayo, Box 675, Greenville, S. C.; Ralph S. Pruitt, Box 222, Anderson, S. C.; Wyllys H. Taylor, Vice Pres. Slater Mfg. Co., Slater, S. C.

### Entertainment

Harold C. Smith, Chairman; W. G. Ashmore, D. R. Dickson, H. H. Hersey, J. W. Vaughan, Jr.

### Finance

DuPont Guerry, Chairman; V. M. Manning, H. T. Mills, D. L. Norris, W. P. Vaughan.

### German Visitors

J. J. Kaufmann, Chairman; Frederick Funks, Dr. Clifton McIntosh, George Nuessner, Chas. Pfeiffer, Dr. A. H. Schade, Prof. W. P. Warren.

### Junior Chamber of Commerce

Silas G. Bagwell, Chairman; Shelton V. Delk, James W. Greene, Oliver C. Johnson, John A. Keys, D. E. McCuen, Jr., R. F. White, Sidney M. Wilson.

## Textile Hall Corporation

### Directors

John W. Arrington, S. M. Beattie, Cason J. Callaway, W. W. Carter, Thurmond Chatham, Donald Comer, Herman Cone, Robert I. Dalton, B. E. Geer, B. B. Gossett, R. E. Henry, Edwin Howard, George H. Lanier, H. A. Ligon, J. Spencer Love, T. M. Marchant, John A. McPherson, J. E. Sirrine, W. G. Sirrine, F. O. Tyler.

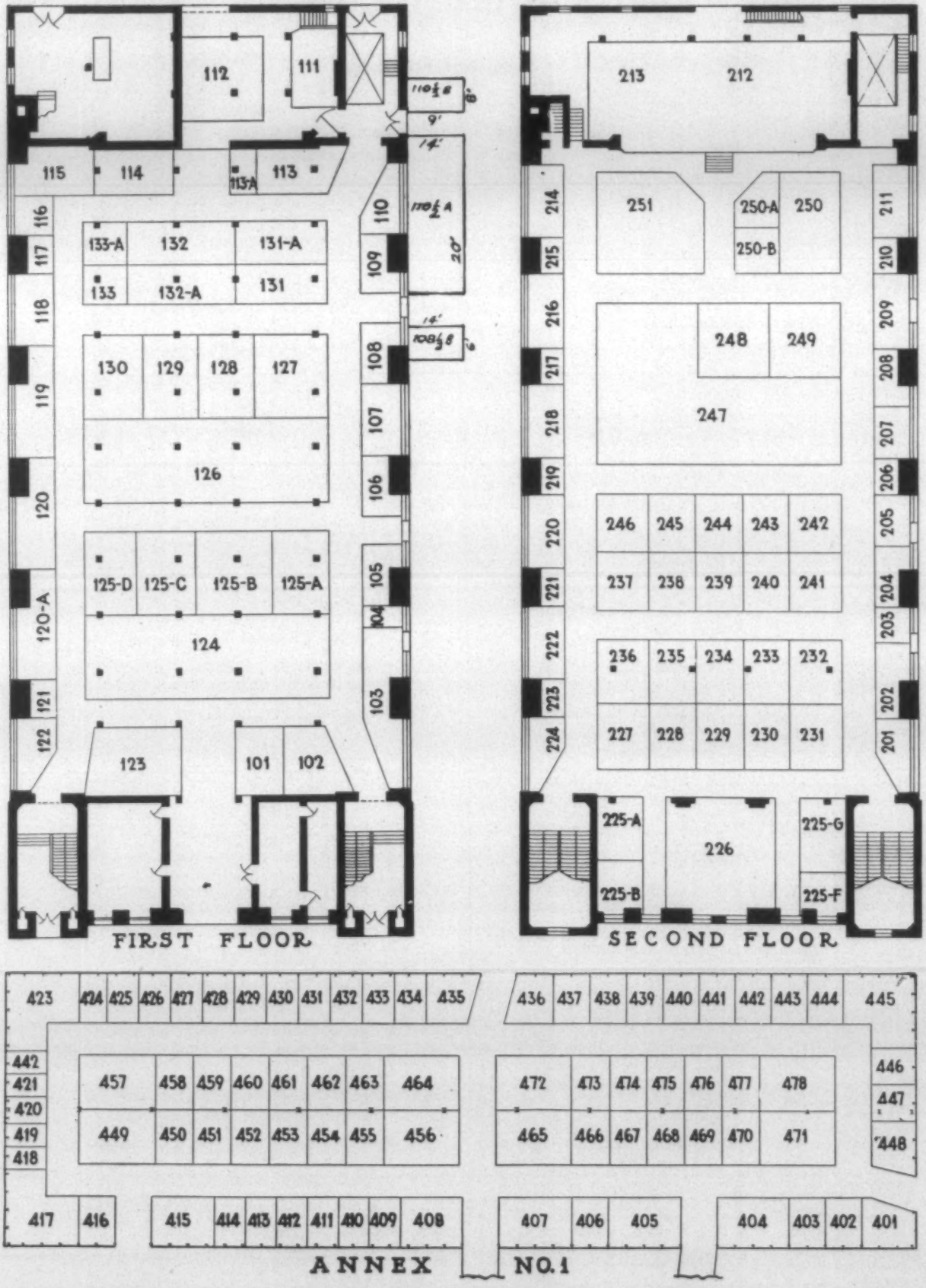
### Officers

| | |
|---|---|
| William G. Sirrine | Pres. and Treas. |
| John A. McPherson | V.-Pres. |
| Bertha M. Green | Sec. |

### Exposition Telephone Numbers

| | |
|---|---|
| Secretary | 3211 |
| Information | 3571 |
| Room Reservations | 3786 |
| Pay Stations | 9231 and 9232 |

# Floor Plans of Textile Hall

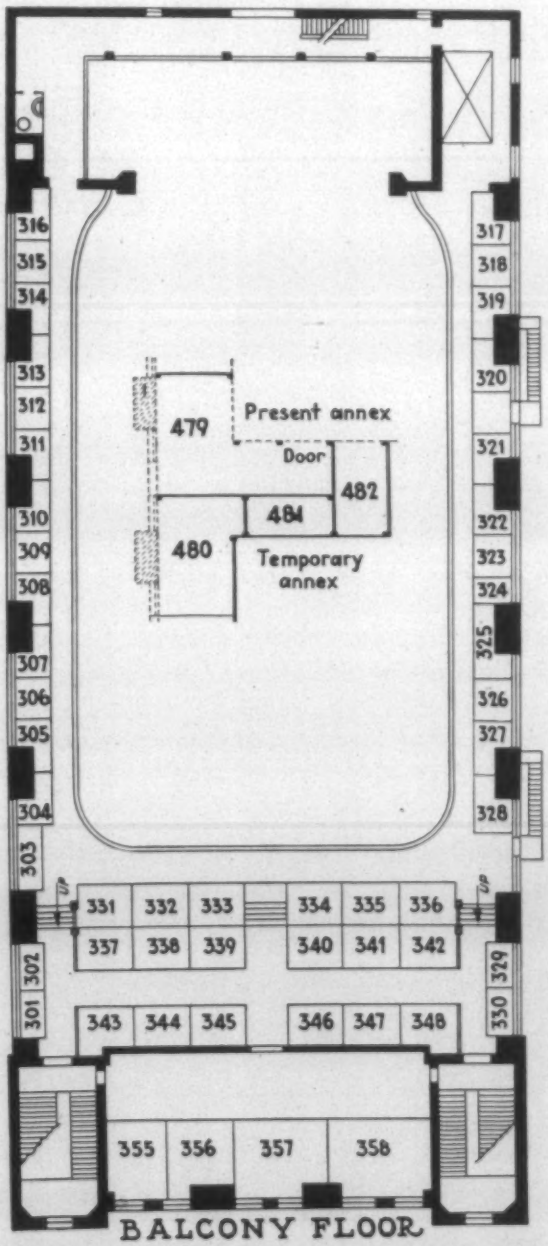


# Exhibitors at Textile Exposition

THE following list gives the names of the companies that will have exhibits at the Southern Textile Exposition and the number of the booths that they will occupy:

| | BOOTH NO. |
|---|---|
| Abbott Machine Co. | 212-213 |
| Adolff Bobbin Co. | 489 |
| Aldrich Machine Works | 250 |
| Allis-Chalmers Mfg. Co. | 131-A |
| Allis, Louis Co., The | 108 |
| American Blower Corp. | 119-A |
| American Brass Co., The | 450-452 |
| American Cyanamid & Chemical Corp. | 458-459 |
| American Enka Corp. | 402-404 |
| American Lumber & Treating Co. | 437 |
| American MonoRail Co. | 112 |
| American Mutual Liability Ins. Co. | 357 |
| American Pulley Co., The | 203-A |
| American Silk & Rayon Journal, The | 304-305 |
| American Wool & Cotton Reporter | 208 |
| Armstrong Cork Products Co., Textile Div. | 131 |
| Armstrong Machine Works | 414 |
| Arnold, Hoffman & Co., Inc. | 329-330 |
| Ashworth Bros., Inc. | 119 |
| Atlanta Brush Co. | 409-410 |
| Atwood Machine Co., The | 125-C |
| Bahan Textile Machinery Co. | 127-128 |
| Bahnson Co., The | 216-218 |
| Barber-Colman Co. | 247-249 |
| Beaver Pipe Tools, Inc. | 333 |
| Benjamin Electric Mfg. Co. | 113 |
| Bond, Chas. Co. | 448 |
| Bristol Co., The | 108½-B |
| Brown Instrument Co., The | 419-420 |
| Butterworth, H. W. & Sons Co. | 120-A |
| Charlotte Mfg. Co. | 421 |
| Chicago Belting Co. | 209-210 |
| Clinton Co. | 205-206 |
| Clipper Belt Lacer Co. | 221 |
| Cloroben Corp., The | 306 |
| Cocker Machine & Foundry Co. | 323-324 |
| Coffing Hoist Co. | 334 |
| Columbus Truck & Supply Mfg. Co. | 356 |
| Commerce & Finance | 310 |
| Commercial Investment Trust Incorporated | 340-341 |
| Continental-Diamond Fibre Co. | 106 |
| Corn Products Refining Co. | 457 |
| Cotton | 408 |
| Courtney, Dana S. Co. | 423-426 |
| Crane Co. | 462-463 |
| Crawford, M. D. C. | 359-360 |
| Crompton & Knowles Loom Works | 126 |
| Crouse-Hinds Co. | 471 |
| Curtin-Howe Corp. | 120-B |
| Curtis & Marble Machine Co. | 238-239 |
| Cutler-Hammer, Inc. | 346-347 |
| Cutler, Roger W. | 302 |
| Daily News Record | 335 |
| Danielson Mfg. Co. | 110½-B |
| Diehl Mfg. Co. | 232-233 |
| Draper Corp. | 124 |
| DuPont Rayon Co., Inc. | 445 |
| Eclipse Textile Devices, Inc. | 102 |
| Fafnir Bearing Co. | 472 |
| Fairbanks, Morse & Co. | 449 |
| Fibre Specialty Mfg. Co., Division, | 478 |
| Finnell System, Inc. | 110 |
| Fisher Governor Co. | 215 |
| Foster Machine Co. | 229-231 |
| Foxboro Co., The | 430-432 |
| Gates Rubber Co. | 337-338 |
| General Electric Co. | 116-118 |
| G. E. Co., Incandescent Lamp Dept. | 133-A |
| General Electric Vapor Lamp Co. | 115 |
| Gerrard Co., Inc., The | 244 |
| Gilmer, L. H. Co. | 423-426 |
| Graton & Knight Co. | 415 |
| Greenville Textile Supply Co. | 423-426 |
| Gulf Oil Corp. of Pa. | 211 |
| Hercules Powder Co., Inc. | 331-332 |
| H & B American Machine Co. | 129-130 |
| Houghton, E. F. & Co. | 132 |
| Howard Bros. Mfg. Co. | 242-243 |
| Huntington & Guerry, Inc. | 202 |
| Hyatt Bearings Div., General Motors Corp. | 120 |
| Hygrolit Incorporated | 480 |
| International Nickel Co., Inc., The | 443-444 |
| International Salt Co., Inc. | 481 |
| Iron Fireman Mfg. Co. | 227-228 |
| Jacobs, E. H. Mfg. Co. | 422 |
| Jenkins Bros. | 441-442 |
| Johns-Manville | 222 |
| Johnson Bronze Co. | 250-A |
| Johnson Corp., The | 413 |
| Keever Starch Co. | 407 |
| Kisco Boiler & Engineering Co. | 111 |
| Lawrence, A. C. Leather Co. | 405-406 |
| Lazenby, F. A. & Co., Inc. | 436 |
| Lestershire Spool & Mfg. Co. | 225-F |
| Leyland, Thos. Mchy. Co. | 466 |
| Leyland-Walsh Co. | 466 |
| Link-Belt Co. | 220 |
| Lunkenheimer Co., The | 104 |
| Macbeth Daylighting Co. | 307-308 |
| Marchant Calculating Machine Co. | 223-224 |

*(Continued on Page 94)*



# Exhibits at Textile Exposition

**Abbott Machine Co., Wilton, N. H., booths 212-213,** will feature an 80 spindle full automatic winder in operation. Representatives will be L. S. Ligon and W. R. Godfrey.

**Adolph Bobbin Co., Inc., Kerney, N. J., booth 480,** will show a complete line of Bobbins, Fibre and Wood, Spools, Quills, Paper Tubes, etc.

Special attention will be called to the original Red Adolff Dye Tube. Also new developments in large package bobbins and tubes will be shown.

The representatives in attendance will be W. E. Mayer, Assistant Treasurer; John Klinck, Southern Representative; J. Alfred Lechler, Southern Representative.

**Aldrich Machine Works, Greenwood, S. C., booth 250,** plans to exhibit the Aldrich Synchronizer, and an assortment of textile applications which they manufacture. Also shown will be a Lummus Gyrator cleaning, blending and distributing machine made by Lummus Cotton Gin Co.

Representatives at the show will be A. P. Aldrich, Jr., sales manager; Robert Aldrich, plant manager; Roy Perry, salesman. At some time during the week E. F. Murray, E. F. Lummus, and N. B. Henry, of Lummus Cotton Gin Co., Columbus, Ga., are expected to be present.

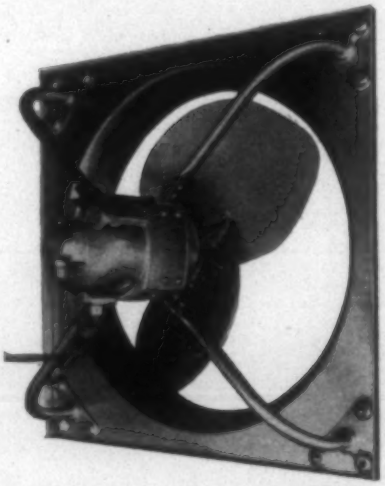
**Allis-Chalmers Mfg. Co., Milwaukee, Wis., booth 131-A,** will center their exhibit around demonstrations of the new "Quick-Clean" Squirrel-cage induction motor for driving textile machinery where lint is present; the Texrope V-belt drive and the application of "Vari-Pitch" V-belt sheaves of the Motion Control type. The latter sheaves together with a "Strait-Line" Automatic Motor base permit a standard V-belt drive of which the speed can be varied while the drive is in motion.

Other items on exhibit will include rotary air compressors and vacuum pumps, as well as centrifugal pumps.

Representatives in attendance will be Berrien Moore, manager of the Atlanta office, and William Parker, manager of the Charlotte office.

**Louis Allis Co., Milwaukee, Wis., booth 108,** will feature new textile motors. Representatives will be L. E. Keely and George Gardner.

**American Blower Corp., Detroit, Mich., booth 119-A,** will exhibit their



Venturafin and Sirocco Unit Heaters, Sirocco Utility Blowers, and Slasher Fans.

Representatives at the show will be J. P. Kidd and C. M. Reeves, of Charlotte.

**The American Brass Company, Waterbury, Conn., booth 450-452,** will display cold drawn seamless copper dry cans, both plain and chrome plated. These cans are cold drawn on special equipment, thus eliminating any seam in the can and providing the physical advantage of cold drawn copper, it is claimed. For some types of service they are furnished chrome plated.

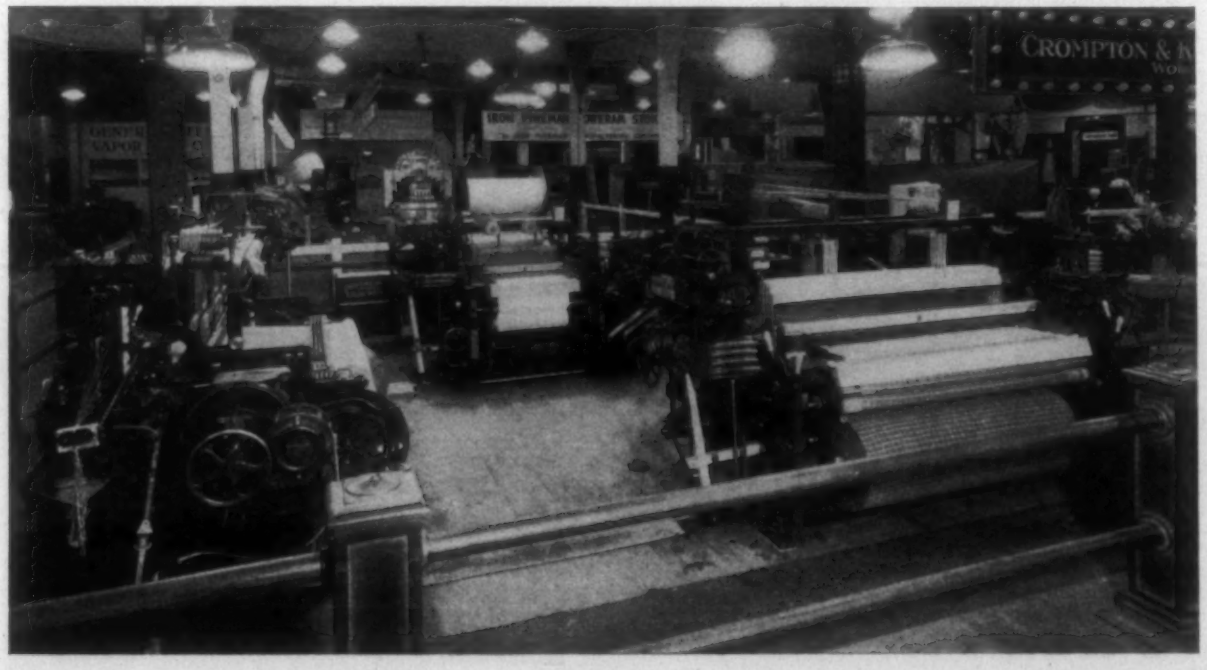
Other sections of the exhibit will show three types of copper printing rollers, solid, "Duplex" and "Built-Up"; Everdur welded storage tanks for hot water and processing solutions, Everdur bolts, nuts and screws for assembling corrosion resistant equipment, and Everdur Electrical Metallic Tubing and Rigid Conduit for use in humid atmospheres or under other conditions of corrosion.

There will be a special display of Anaconda "Electro-Sheet" copper, a thin sheet copper in wide widths produced by electrical deposition. It is used for damp-proofing walls and masonry of buildings. Twenty ounce sheet copper will be shown for termite proofing. H. F. Braman of Waterbury will attend.

**American Cyanamid & Chemical Corp., New York, booth 458-459,** will display a complete line of various oils, finishers, softeners, sizes, penetrants, wetting agents, and chemicals used in the processing of textiles, as well as other interesting features.

The representatives who will be in attendance are: P. F. Haddock, Chas. H. Stone, Hugh Puckett, G. F. Scheiber, C. B. Suttle, Jr., Harry W. Rose, M. J. Wixson.

**American Enka Corporation, Enka, N. C., booth 402-404,** will show a wide range of fabrics of Enka Rayon in-





cluding sheers, crepes, prints, satins and novelty weaves together with 2 dresses, one an example in the house dress market and the other in the high priced sportswear trade.

Representatives of the American Enka Corporation who will be in Greenville include C. Vanderhooven and J. Mebane.

**American Lumber & Treating Co., Chicago, Ill., booth 437,** will have a display of "Wolmanized Lumber," preservative chemicals, live termites and growing fungi, and sections of wood showing effects of attack by decay and termites.

Attending will be Mr. Val Glueck, Tom Moore, and others.

**American MonoRail Co., Cleveland, Ohio, booth 112,** will exhibit automatic overhead cleaning equipment and overhead MonoRail conveying equipment. Representatives will be J. P. Lawrence, Curran S. Easley, and J. W. Howarth.

**American Mutual Liability Insurance Company, Boston, Mass., booth 357,** will use "black" light to feature accident **cause** and **effect** in safety education. A series of safety posters is displayed, each illuminated alternately with white and invisible light, changes taking place automatically. The observer, viewing the posters through an opening in a shadow-box, sees first the picture of a "cause" illumined by ordinary white light. The light then automatically shifts to "black" light, and the picture of the "effect," painted in fluorescent materials on the same poster as the "cause," alone becomes visible to the eye.

At this booth there is exhibited also many of the data sheets, analysis charts, hand books and other material used by this company in rendering its engineering service in accident prevention.

Representatives will be: Harry A. Brown, W. I. Blanton, and Corson Rose, of the Production Department; and T. R. Self, and A. P. McIntosh, of the Engineering Department.

**American Pulley Co., Philadelphia, Pa., booth 203-A,** will feature "American" tension-control motor base and general line of steel split-belt pulleys, pressed-steel hangers, short center driver, pressed-steel hand trucks, pressed-metal stampings, etc. Representatives will be Frank E. Brown, John F. Muller, and John Halpin.

**American Silk & Rayon Journal, New York City, booths 304-305.** Publishers.

**American Wool & Cotton Reporter, Boston, Mass., booth 208.** Publishers.

**Armstrong Cork Products Co., Lancaster, Pa., booth 131,** will show Armstrong's Extra Cushion Seamless Cork Cots; Armstrong's Helically Wrapped Cork Cots; Cots made from synthetic rubber-like materials; Cots made from a combination of cork and synthetic rubber-like material; Cork temple rolls—threaded and plain; Cork temple rolls made from synthetic rubber-like materials; loom take-up roll covering —cork, cork and rubber, and cork and synthetic rubber-like materials; Miscellaneous mill accessories; Roll shop equipment including Improved Buffing Machine with new V-shaft and free-sliding tail stock.

The following members of this organization will be present at the Armstrong booth: W. B. Tucker, T. L. Hill, J. V. Ashley, W. T. Coker, Jr., F. G. Richards, Jr., D. F. Sweeny, H. H. Jordan, D. T. Starkey, Guy C. Baer, D. P. Paiste.

**Armstrong Machine Works, Three Rivers, Michigan, booth 413,** will have on display a glass model of the Armstrong Free-Floating Lever trap operating under five pounds steam pressure. The operating cycle and advantages of the Armstrong principle are shown. Samples of their complete line will be shown.

Allan T. Shepherd, Virginia-Carolinas district representative, T. H. Rea, sales manager, and O. E. Ulrich, factory representative, will be in attendance.

**Arnold, Hoffman & Co., Providence, R. I., booths 329-330,** will exhibit textile sizes and other chemicals. Representatives will be Edward M. Johnson, Frank W. Johnson, Robert E. Buck, Jr., Harold T. Buck, W. Chester Cobb, and Arthur L. Snow.

**Ashworth Bros., Inc., Fall River, Mass., booth 119,** will have on exhibition Card Clothing for Cotton and Woolen Cards, Napper Clothing and Specialties. A Card Setting Machine will be in operation making Card Clothing for revolving Flat Cards.

The representatives present will be E. H. Isenhour, Charlotte, N. C.; C. B. Thomason, Charlotte, N. C.; E. A. Johnston, Greenville, S. C.; R. B. Wilson, Atlanta, Ga.; R. C. Ashworth, Jr., Fall River, Mass.

**Atlanta Brush Co., Atlanta, Ga., booths 409-410,** will show Textile brushes for every purpose, designing and refilling of all types of brushes, and general industrial brushes.

T. C. Perkins, William C. Perkins, and George B. Snow will be their representatives.

**Atwood Machine Co., Stonington, Conn., booth 125-C,** plans to show a complete line of silk and rayon yarn-producing machinery. In addition a new machine will be displayed, a new 5B Doubler Twister. The new 5B Doubler Twister will feature maximum spindle speed, over-end bobbin delivery to a package best suited for the knitting trade. All machines will be in operation for the duration of the Exposition.

In attendance will be: Fred Sails, Charlotte, N. C., A. L. Lewis, general sales manager, W. R. Gordon, chief Engineer, and Horald J. Morton.

**Bahan Textile Machinery Co., Greenville, S. C., booths 127-128,** will exhibit attachments and parts for automatic looms.

Representatives will be Wm. H. Bahan. Edw. F. Bahan, Paul Bahan, J. C. Williamson, N. M. Neal, W. R. Rothrock, E. T. Lollis, and W. H. Maudling.

# Exhibits at Textile Exposition

*(Continued from Page 21)*

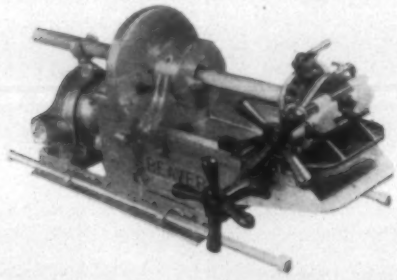
**The Bahnson Co., Winston-Salem, N. C., booths 216-218,** will exhibit humidifying and ventilating equipment together with all the controls necessary for proper regulation.

The following representatives are expected to be present: S. C. Stimson, I. L. Brown, D. P. Stimson, A. H. Bahnson, F. F. Bahnson, A. Page.

**Barber-Colman Co., Rockford, Ill., booths 247-249,** will feature an automatic spooler, speed 1200 yds. per minute; a super-speed warper, speed 900 yds. per minute; warp tying machines, and a complete line of electrically-operated controls and air distribution outlets for all types of heating, ventilating, and air-conditioning systems.

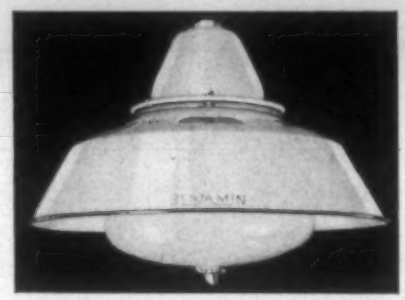
Representatives to attend are J. H. Spencer, N. H. Alford, S. R. McElroy, W. B. Anderson, J. E. Moore, W. P. Turner, B. A. Peterson, R. E. McCausland, R. G. Ross, F. D. Taylor, and V. M. Lathers.

**Beaver Pipe Tools, Warren, Ohio, booth 333,** will display a full line of Beaver Pipe Tools, and the Model-A



Beaver Special Pipe Machine will be featured. They will be represented by H. B. Carlock.

**Benjamin Electric Mfg. Co., Des Plaines, Ill., booth 113,** will show a demonstration of Benjamin industrial lighting equipment and floodlights including the new Combination Mercury and Mazda Lamp Diffusers and the new Benjamin Equalux Dome Reflec-



tor which has been designed specifically for illumination of textile looms.

In attendance will be I. H. Stockel, district representative; J. S. Dunlop, district representative; J. M. Asher, district representative; Rudolf W. Staud, Sales Promotion Manager.

**Charles Bond Co., Philadelphia, Pa., booth 448,** will show their full line of Bondaron Special Tanned Textile Leathers, which includes Bondaron Check Straps, Bondaron Pickers, Bondaron Bumpers and Bondaron Special Design Bumpers.

One of the features will be the Bondaron Red Head Loop Picker.

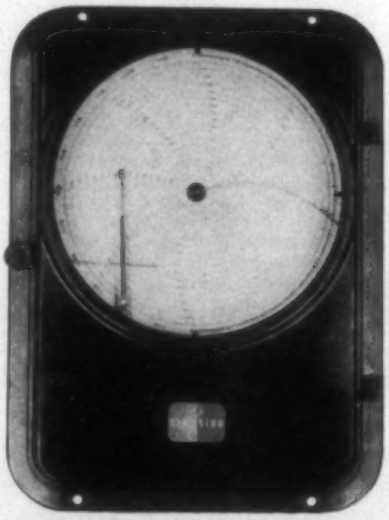
Silk Loom Pickers made from this same tannage of Leather will be on display, as well as Bondaron Solid Round Leather Belting and the Flat Leather Belting not only in the special tannages of Bondaron and Bondex but also in the standard Oak Tanned variety.

There will be quite a display of the Bondaron leather in the rough state showing how the stock is in appearance before being processed and manufactured into the finished articles.

A moving display run by a motor will show in a quick, concise way how many of the items are manufactured.

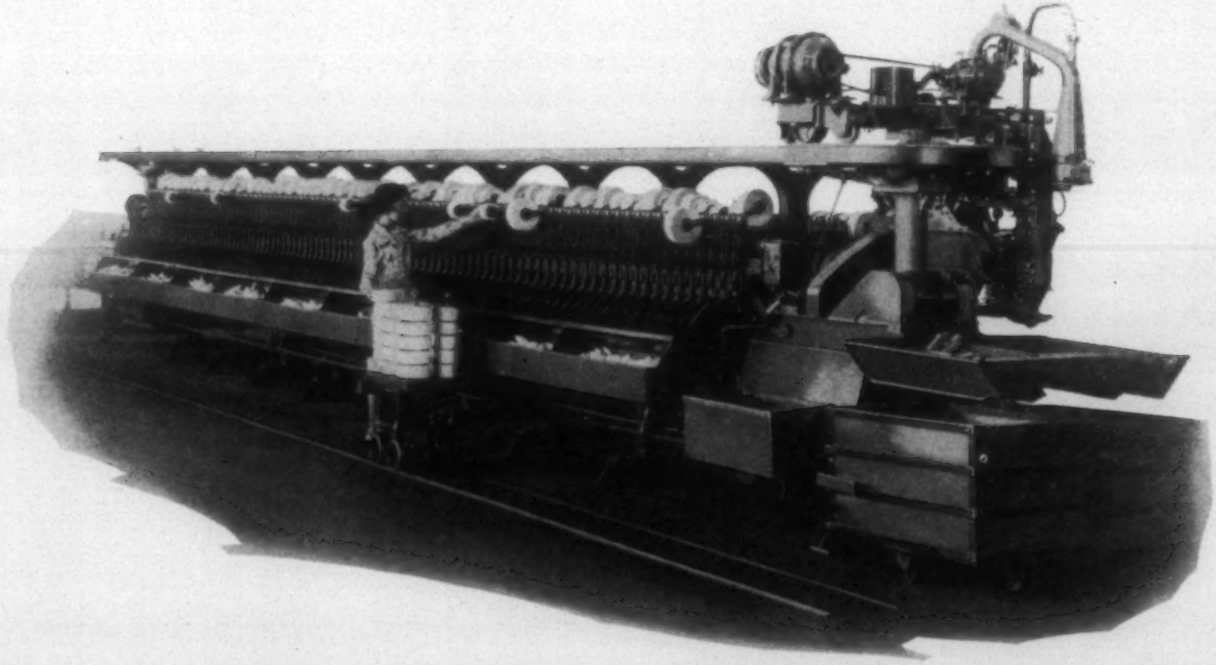
The Southern representatives of this firm will expect to be on hand during the entire Exhibition, and a portion of the time C. Carter Bond of the Philadelphia headquarters expects to be in attendance.

**The Bristol Company, Waterbury, Conn., booth 108½-B,** will feature a new development known as Bristol's



Co-ordinated Process Control.

The company is also exhibiting instruments to control and record indi-






vidual operations in the textile mill. In addition to Bristol's Resistance Thermometer for recording temperatures on a wide-strip chart, the new Pyromaster is on display. This instrument is a round-chart direct-marking potentiometer for measuring and recording temperatures using a standard thermocouple.

Other products exhibited will be the Free-Vane Air Operated Ampliset Time-Temperature Controller; a new instrument to record the flow of steam, gases, or liquids known as Bristol's Electric Integrating Flow Meter; and portable instruments for recording humidity and temperature on the same chart, pressure, and electrical measurements.

In attendance: H. L. Griggs, vice president and sales director; L. G. Bean, sales manager; H. E. Beane, field sales manager; E. R. Wyatt, manager sales engineering department; H. A. Van Hala, Birmingham district manager; C. Webber, New York district manager; F. W. Borchers, Philadelphia district manager; J. L. Williams, Boston district manager; G. R. Atkins, sales engineer; C. R. De Arman, sales promotion department.

**The Brown Instrument Co., Philadelphia, Pa., booths 418-420,** will feature on a centralized control board, the following Indicating, Recording and Controlling Instruments: Moisture recording controller displayed in a humidifying cabinet which is controlled by a wet and dry bulb recording thermometer; hair element air control humidity recorder; portable humidity and room temperature recorder; recording electric flow meter with meter body; $CO^2$ and stack temperature recorder; Air-o-Line pressure recorder; six record resistance thermometer; diaphragm valve; motorized valve with minimum flow adjustment; thermostats; electric and air operated non-indicating temperature and humidity controllers.

The representatives in attendance at the booths will be: L. Morton Morley, vice president and general sales manager; Ralph L. Goetzenberger, vice president; Wesley R. Moore, manager Atlanta office; Richard P. Hawkins; William D. Douglas.

**H. W. Butterworth & Sons Co., Philadelphia, Pa., booth 120-A,** will exhibit one Stainless Steel Drying Cylinder 23″x50″ satin finish, and one Stainless Steel Drying Cylinder 23″x50″ polished.

These cylinders will be mounted on a steel frame, one carried in Hyatt roller bearings, the other in SKF self-aligning bearings. Both will be equipped with Syphons, Johnson Joints and Warren-Webster Traps.

J. Hill Zahn, Southern representative, will be in charge. Other representatives expected to attend are Harry W. Butterworth, Jr., president; J. Ebert Butterworth, vice president and treasurer; and William S. Rowley, service engineer.

**Charlotte Mfg. Co., Charlotte, N. C., booth 421,** will show card clothing and reeds, and a card clothing machine. Representative will be H. C. Mungo.

**Chicago Belting Co., Chicago, Ill., booths 209-210,** will show a running exhibit on mechanical power by belting. It is an educational exhibit on belt drives. They will show a running exhibit on the application of hydraulic packings—the complete running model of their Tension Cementing machine, which welds together their Tension Welded leather belts—the complete exhibit of their entire line of textile leathers including several exclusive items and an exhibit showing the Power Transmission Council energy drive for looms to operate with a belt that will maintain tensions.

Representatives in attendance will be James E. Taylor, representative, Charlotte, N. C.; A. J. Weis, general sales manager; Wayne Davies, chief engineer.

**Clinton Co., Clinton, Iowa, booths 205-206,** will exhibit starch products.

**Clipper Belt Lacer Company, Grand Rapids, Mich., booth 221,** will exhibit a number of belt lace items, featuring their equipment for lacing spindle and condenser tapes. This material will be exhibited for the first time. A moving display showing the laced tapes will also be featured. In attendance will be Perry J. Edwards, factory representative, and Fred V. Hallam, sales manager.

**Cloroben Co., Jersey City, N. J., booth 306,** will exhibit "Cloroben," and their booth will be in charge of H. P. Goller, southern representative for The Cloroben Corporation.

Mr. Goller will be at the booth ready to answer all inquiries and to tell you about Cloroben — both the standard type and the soluble (miscible with water).

A stop at the Cloroben booth will enlighten you on the subject of this new sanitation chemical, and its uses in mill village, town and city sewage disposal as well as how it can be used in mill building and homes to control objectionable odors.

**Cocker Machine and Foundry Co., Gastonia, N. C., booths 323-324.**

**Coffing Hoist Company, Danville, Illinois, booth 334,** will show their complete line of hoists, with no particular hoist being featured. Representative, J. A. Brewer.

**Columbus Truck and Supply Mfg. Co., Columbus, Ga., booth 334.**

**Commercial Investment Trust Co., New York, N. Y., booths 340-341,** will exhibit photographs showing machinery and equipment installations financed by this company. Representatives will be S. D. Maddock, M. E. Gillis, R. S. Murphy, J. L. Wells, and J. A. Weingart.

**Commerce and Finance, New York City, booth 310.**

*(Continued on Page 26)*

# "WE USE GULFGEM OIL



Plant managers who keep the Gulf engineer "in the picture" get the benefit of his cooperative efforts to reduce maintenance and power costs.




As an oil oxidizes, viscosity and gum formation increase. More power is required to overcome the increased internal friction. GULFGEM OIL has high resistance to oxidation and gumming.

HERE IS THE REASON for the remarkable record Gulfgem Oil is making in many textile mills: This spindle lubricant has been treated and purified by the ALCHLOR process—used exclusively by Gulf. (Gulfpride, the world's finest motor oil, is also made by this process.)

With Gulfgem in service, spindle operation is more efficient than with oils refined by less effective processes. Treatment by ALCHLOR gives Gulfgem greater stability than can be developed by any other refining method in use today.

Gulf will be represented at Booth 211 at the Southern Textile Exposition in Greenville. When you attend the exposition we suggest that you drop around to the Gulf exhibit for a friendly discussion of lubrication. Experienced men will be present in our booth at all times during the week. They will be glad to talk with you. If you do not attend, write us suggesting a time when our engineer may call. You will not be obligated.




Because of the unparalleled stability of GULFGEM OIL, it can be used over long periods of time with minimum deterioration. Thus, long life and a low rate of consumption are assured.

**Gulf Oil Corporation**
**Gulf Refining Company**

GULF INDUSTRIAL LUBRICATION

# FOR SPINDLE LUBRICATION...
# ...AND GET THESE SIX OPERATING ECONOMIES"

say many leading mill managers.




The advanced methods employed in refining GULFGEM OIL provide a tough protective film which insures efficient lubrication over a long period of time. Thus, spindle wear is minimized.




Maximum stability with minimum change in viscosity—either from temperature variation or oxidation—insures constant load and smooth operation. The result is fewer breaks and ends down.




If an oil oxidizes and gums at a rapid rate, spindles must be cleaned and lubricated at frequent intervals. The stability of GULFGEM OIL reduces the frequency of shut-downs for this purpose.




Time saved by fewer shut-downs, lower maintenance expense and lower power consumption reflect savings in total operating costs.




Gulfgem, the world's fi
spindle oil, is made
the same refining pro
(Gulf's Exclusive Al
Process) as Gulfpride
World's Finest Moto

# Exhibits at Textile Exposition

*(Continued from Page 23)*

**Continental Diamond Fibre Co., Newark, Del., booth 106,** will show a line of roving cans, boxes and trucks. Also shown will be Celeron silent gears and Dilecto non-corrosive insulation.

Representatives will be N. N. Wright, C. M. Sheward, and C. L. Simmons.

**Corn Products Refining Co., New York City, booth 457,** will not have an exhibit. The booth will be in charge of Jno. R. White, Greenville Manager. Also attending will be Fred Mueller, manager of bulk sales; Curry Watson, manager of mill starch division, and Wm. F. Mueller, Mr. Watson's assistant, all of the New York office. In addition, there will be J. C. Alexander, Spartanburg office; C. G. Stover, Atlanta office; W. R. Joyner, Greensboro office; J. Alden Simpson, Greenville office, and A. N. McFarlane and T. A. Mott, technical service department.

**Dana S. Courtney Co., Chicopee, Mass., booths 423-426,** expect to exhibit automatic loom bobbins, warp spinning bobbins, twister bobbins and winder cones and tubes. They will be represented by J. F. MacDonald, general manager.

**Cotton, Atlanta, Georgia, booth 408.** Textile publishers.

**Crane Co., Chicago, Ill., booths 462-463,** will show a general display of brass, iron and steel valves and steam specialties for use in the textile industry.

Representatives in attendance will be W. F. Lahl, P. F. Sackett, and Ward Converse.

**M. D. C. Crawford, New York City, booths 359-360.**

**Crompton and Knowles Loom Works, Worcester, Mass., booth 126,** will exhibit six new looms. These are: C4, convertible loom, 68", 25 harness dobby, 4x1 box automatic; C4 bedspread loom, 98", 20 harness, 15/32" gauge dobby, 4x1 box bobbin changer; C5 cotton suiting loom, 46", 20 harness dobby, 4x1 box bobbin changer; C3 terry towel loom, 40", 16 harness dobby, 4x1 box bobbin changer; C3 huck towel loom, 33", 16 harness dobby, 2x1 box bobbin changer; S3, under cam loom, 52", 6 harness, 2x1 box shuttle changer.

**Crouse Hinds Co., Syracuse, N. Y., booth 471,** will show flood lights, plugs and receptacles; switch boxes; junction boxes; condulets; lighting units. Representatives to attend are C. A. Hausman, J. J. Berry, L. P. Spoon, and F. C. Smith.

**Curtin-Howe Corp., Chattanooga, Tenn., booth 120-B,** will show lumber treated with ZMA (zinc meta arsenite).

**Curtis & Marble Machine Co., Worcester, Mass., booths 238-239,** will show CMR Shearing Machines for cotton and rayon fabrics, with four sets of cutters, individual motor drives for each revolver, and automatic seam protecting device.

A set of automatic Guiders for guiding the cloth straight and even in connection with any machine or process.

A Cloth Folding Machine with deep drop to the table for handling cuts of cloth several hundred yards in length. This machine also has a stop motion so the blades are automatically dropped near the center of the table at each seam.

A Railway Sewing Machine with motor drive for the Sewing Machine Head for joining the ends of fabrics.

Those in attendance will be Walter F. Woodward, Southern representative; Fred C. Bryant, Ralph L. Marble, Frank MacKay, etc.

**Cutler-Hammer, Inc., Milwaukee, Wis., booths 346-347,** plans to exhibit an operating model of a range drive together with a complete line of modernized control equipment, and safety switches for the textile industry.

Representatives who will attend this exposition are L. P. Niessen, Milwaukee; E. G. Peterson, Milwaukee; B. M. Horter, Milwaukee; P. S. Jones, New York City; W. D. Addicks, Boston; A. C. Gibson, Atlanta.

**Roger W. Cutler, Everlastic Textiles, Boston, Mass., booth 302,** will exhibit Everlastic spinning and twisting roll covers, Everlastic take up roll covers, Everlastic and Evercele temple rolls, Plastacele Comber detaching rolls, Everlastic card room rolls, Everlastic Casablanca Aprons.

Representatives will be Roger W. Cutler; and Mrs. Ross of the Greenville office.

**Daily News Record, New York, N. Y., booth 341.** Textile publishers.

**Danielson Mfg. Co., Danielson, Conn., booth 110½-B,** will exhibit rawhide pickers and loom parts. Representatives in attendance will be C. A. Burdick, J. H. Chadbourne, and F. E. Antley.

*(Continued on Page 30)*



# AT THE SOUTHERN TEXTILE EXPOSITION

# BARBER-COLMAN

## INVITES YOU TO SEE . . .

•

## AUTOMATIC SPOOLER and SUPER-SPEED WARPER

Last year 49 progressive mills purchased this cost saving system. Nearly 60% of the looms in the six principal southern cotton manufacturing states are now using warps from Barber-Colman machines. A Spooler winding at 1200 yards per minute and a Warper at 900 will be in continuous operation with new and interesting mechanical improvements.

•

## PORTABLE WARP TYING MACHINES

New, light-weight units showing many improved features.
These machines can be used in loom alleys as narrow as 12".
Three models: "LC" machine for tying cotton warps.
"LS" machine for tying rayon and silk warps.
"LL" machine, a combination of "LC" and "LS", which ties cotton, silk and rayon.

•

## TEMPERATURE, HUMIDITY and AIR DISTRIBUTION CONTROLS

A complete line of electrically-operated Controls and air distribution outlets for all types of heating, ventilating and air-conditioning systems, as well as thermostats and motor-operated valves for industrial process applications.

•

## SPACES 247, 248, 249

(SECOND FLOOR)

## GREENVILLE, S. C. APRIL 5TH-10TH 1937

# Attractive Program Planned for S. T. A. Day at Show



Fred L. Still
President, S.T.A.

Friday, April 9th, will be Southern Textile Association Day at the Show. The committee in charge of arrangements is composed of Edwin Howard, chairman, J. H. Spencer and Walter W. Greer.

At 12:30 P. M. there will be a luncheon for Association members and invited guests at the Poinsett Hotel.

Dr. E. W. Sikes, president of Clemson College will be the principal speaker and Fred L. Still, president of the Association will preside.



Edwin M. Holt
Vice-Pres. S.T.A.

Beginning Monday, tickets for the luncheon may be procured at Textile Hall from any member of the above committee and will also be placed on sale at Textile Bulletin's booth, number 204, second floor of the main building. B. Ellis Royal, newly elected secretary of the Association will arrive in Greenville Thursday to assist with the disposal of tickets and to consult with the committee regarding other details of the day's program.

Mr. Howard, chairman of the committee, urgently requests that Association members and others planning to attend, procure their tickets as early in the week as possible so that necessary arrangements may be made with the hotel management to handle the large crowd that is expected. The usual charge of $1.00 per plate will prevail.

### Dance Friday Night.

At 10 o'clock Friday night, textile machinery and supply representatives of Greenville will be hosts to members of the Association and exhibitors at an informal dance in the ballroom of the Poinsett Hotel. A splendid orchestra has been engaged for the evening.

### An Appropriate Tribute

The observance of Southern Textile Association Day at the Exposition is regarded as particularly fitting inasmuch as the idea for a Southern show originated at a meeting of the Board of Governors of the Association in 1912.

In this connection, it is interesting to recall that the officers at that time were: W. M. Sherard, president; Frank E. Heymer, vice-president; A. B. Carter, secretary; Marshall Dilling, treasurer.

At the meeting mentioned above, a committee composed of W. M. Sherard, chairman. David Clark and E. E. Bowen, was appointed to arrange for textile machinery shows in the South, and given authority to act if they found that suitable arrangements could be made.

It is realized that the growth and success of these Southern Expositions is due in no small measure to the continued interest and cooperation of the Association, which has consistently lent its support to every activity that might encourage the progress and improvement of textile manufacturing in the South.

Officers and members of the board of governors of the Southern Textile Association are:

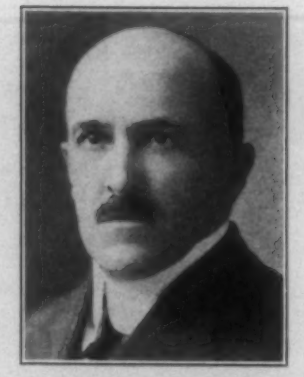
### Officers

Fred L. Still - - Pres.
Edwin M. Holt - V.-Pres.
Marsall Dilling - Exec. Sec.
B. Ellis Royal - Sec.-Treas.



Marshall Dilling
Executive Secretary S.T.A.

Board of Governors: L. J. Rushworth, Chairman; Huch Clark, H. R. Hart, W. H. Hardeman, Joe C. Cobb, M. T. Poovey, Webb Durham, R. T. McWade, W. E. Hammond, A. H. Cottingham, Frank D. Lockman, R. O. Stutts.



Edwin Howard
Chmn. S.T.A. Committee

# *A Hearty Welcome Awaits You*

# at BOOTH 251

## SOUTHERN TEXTILE EXPOSITION APRIL 5-10

We hope you will take the opportunity to visit Booth 251 at the Southern Textile Exposition to be held in Greenville, April 5th to 10th. You are assured of a welcome and we think your visit will be profitable. Our representatives will be there to greet you.

We will have in operation three Cotton Roving Frames equipped with Long Draft, Inter-Draft and Super-Draft, and a Cotton Spinning Frame of our latest design equipped with Long Draft.

# WHITIN MACHINE WORKS

CHARLOTTE, N. C. WHITINSVILLE, MASS. ATLANTA, GA.

# Exhibits at Textile Exposition

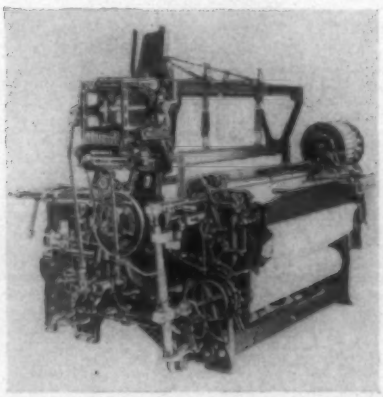
*(Continued from Page 26)*

**Diehl Mfg. Co., Elizabeth, N. J., booths 232-233,** will feature their latest developments in textile motor equipment, together with other specialties made by the company.

Representatives in attendance will be F. B. Williams, Jr., vice president and general sales manager; P. N. Thorpe, manager, Textile division; H. B. Thorpe, S. G. Boyd, R. D. Ingalls.

**Draper Corporation, Hopedale, Mass., booth 124,** will feature two years' development in High Speed Looms of this company's so-called X Family of looms, particularly the XK Model for all plain and fancy rayon fabrics woven with one shuttle.

The looms shown will include the following: 40" X Model running at 210



picks per minute and right beside it as a contrast an E Model running at 160 picks; two 44" XK Models weaving rayon, with the latest improvements for rayon looms; 90" XL Model for broad sheetings running at 120 picks.

There will also be new shuttles, new spindles, new rings, bobbins, temples and spooler guides.

Erwin N. Darrin, vice president, of Spartanburg, Clare H. Draper, Jr., W. M. Mitchell, and the salesmen and service men from Spartanburg and Atlanta will be present. Some of the officials from Hopedale will attend.

**Du Pont Rayon Co., New York City, booth 445,** will exhibit a group of fabrics made of Du Pont rayon.

F. H. Coker, of the Charlotte office will be in charge, and salesmen present will be H. C. Kennette, O. F. Long and T. C. Welling.

**Eclipse Textile Devices, Inc., Elmira, New York, booth 102,** will show The Eclipse Bobbin Holder, The Eclipse Yarn Cleaner, and The Eclipse Random Dyeing Machine. There will also be various multi-colored random dyed yarns on display.

J. P. Garey, general manager, J. D. Lutes, Southern representative, F. W. Fowler, and Henry Greimsman will be in charge of the exhibit during the entire week of the show.

**The Fafnir Bearing Co., New Britain, Conn., booth 472,** plans to show an exhibit of a complete range of ball bearings and ball bearing housings for preparatory as well as finishing machinery for all textile fabrics.

The representatives who will be in attendance at the exposition are C. F. Stanley, Carl A. Berg, S. D. Berg, A. G. Laughridge.

**Fairbanks Morse & Co., Chicago, Ill., booth 449,** will show various dial and beam scales as well as motors and pumps for the textile industry. The scale section will include Warehouse Dial Scale with Printomatic Weigher, special Dye-Room Bench Dial Scale, Portable Platform Scale and Postal Scales. A sectionalized ball bearing induction motor as well as a sectionalized ball bearing centrifugal pump will make up the balance of the display.

Representatives at the booth will include O. O. Lewis, G. R. Bollinger, W. J. Houston, and John A. Cuneo.

**Fibre Specialty Mfg. Co., Kennett Square, Pa., booth 478,** will show a line of hard vulcanized fibre Mill Equipment—Roving Cans (Kennett, Leatheroid, Standard "No Waste" and Laminar brands, both single and double turned and metal top construction), also hard vulcanized fibre trucks, boxes, trays, and will feature Dreadnaught textile truck, with a special line of thread-proof textile casters.

Booth will be in charge of R. G. Henderson, Charlotte, N. C., representative. Others in attendance will be G. B. Scarlett, R. A. Craig, H. R. Chandler, B. C. Plowden, and Ralph Woods.

**Finnell Systems, Inc., Elkhart, Ind., booth 110,** will feature a new combination mill floor electric scrubber-vacuum dryer available in three distinct sizes.

This new mill machine is said to do a combined job of cleaning and drying with one person required as an operator.

Other attractions at the booth will consist of small types of the Finnell System Floor Scrubber-Polisher together with floor cleaning agencies and mill floor treatments.

All are available for demonstration at the booth.

Representatives at convention will be W. S. Finnell, president; J. W. Farris, vice president and director of sales; Reuben Finnell, Southern division manager, and L. E. Arnold, district manager.

**Fisher Governor Company, Marshalltown, Iowa, booth 215,** will show Pressure Reducing Valves; Pilot Operated Pressure Regulators; Back Pressure Regulators; Float Valves; Liquid Level Controllers; Strainers; Steam Traps; Pump Governors.

Names of representatives at booth will be P. A. Elfers, L. E. Eige, J. McCabe.

**Foster Machine Co., Westfield, Mass., booths 229-231,** expect to show Foster Machines for Cone Winding Knitting yarn and winding commercial tubes and dyeing package tubes including all latest design attachments and accessories. They will also show new methods for clearing, paraffining and conditioning yarn in the winding operation.

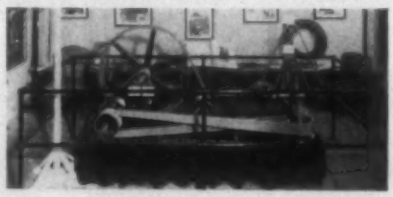
Representatives will be D. W. Bridgman, R. W. Ensign, Fred P. Brooks, T. E. Connor, Ernest P. Dodge, F. F. Stange.

**The Foxboro Company, Foxboro, Mass., booths 430-432,** will show the following instruments and controls: Complete Slasher Control; Elapsed Time-Temperature Controller for dye tubs; a Cut-away Flow Meter showing important working parts; Temperature Recorder-Controller and Type 1119 Non-Recording Controller; Indicating and Recording Thermometers; Humidity Recorder-Controller; Portable combined Relative Humidity and Temperature Recorder; Rotax Temperature Controllers; Indicating Liquid Level Gauges; and Indicating and Recording Pressure Gauges.

A moving display sign will tell the story of the features of Foxboro instruments for the textile industry.

C. E. Sullivan, A. W. Chase, W. W. Barron, R. W. Allen and E. G. Cullings will be the representatives.

**Gates Rubber Co., Denver, Colorado, booths 337-338,** will show a large machine equipped with several different types of power transmission drives manufactured by them. There will be



a V-flat drive (where the large pulley is flat), a V-V drive, a quarter-turn drive, a Doubl-V drive and a Flexcord (rubber flat belt) drive.

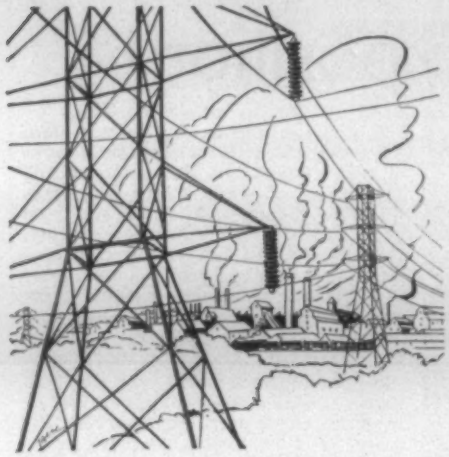
Henry Page, D. J. Broadhurst, F. Siegrist, N. V. Nutting, H. W. Dickerson and E. Weber will be in attendance.

**General Electric Co., Schenectady, N. Y., booths 116-118,** will show a new screenless, open textile motor, featuring an improved ventilating system.

Other products in the G-E exhibit are loom motors and loom-motor con- The newly developed mercury limit switch for spinning frame control will trol, varnished-cambric and glyptal-sheathed cable, indicating and testing instruments, laboratory photoelectric devices and House of Magic displays. be demonstrated. Products of the Incandescent Lamp Department and the General Electric Vapor Lamp Co. will also be included in the exhibit.

Company representatives attending the exposition will include Vice President E. H. Ginn, Atlanta; W. W. Cronkhite, P. A. Johnson, A. P. Mansfield and R. B. Hanna, Schenectady; E. A. Hancock, Boston; W. J. Dor-

*(Continued on Page 32)*



**MORE POWER TO THE MEN WHO MAKE MARKETS**

# Cyanamid's
# CREAM SOFTENER

is a sulphonated tallow softener that is finding wide application in the cotton-finishing industry because of its excellent quality. It is recommended for finishing any grade or style of cloth whether dyed, printed or bleached. It gives extremely satisfactory results in white piece goods and printed fabrics because it holds white indefinitely. It is a good product for softening hosiery, knitted fabrics, voiles and crepes, since it emulsifies easily in water. Many are finding it unsurpassed for achieving smooth, uniform finishes in organdie, batiste, gingham, shirtings, sheetings, silk piece goods and cotton and rayon and cotton and silk mixtures.

Cream Softener is available in grades of 75 per cent, 50 per cent and 20 per cent. Shipments can be made immediately from stocks on hand.

**THERE'S A CORDIAL GREETING** awaiting you at our booths 458 and 459 at the Southern Textile Exposition at Greenville, S. C.

## American Cyanamid & Chemical Corporation

30 ROCKEFELLER PLAZA • NEW YORK, N. Y.

District Offices: 822 W. Morehead St., Charlotte, N. C. • 89 Broad St., Boston, Mass. • 600 So. Delaware Ave., Cor. South St., Philadelphia, Pa.

# Exhibits at Textile Exposition

*(Continued from Page 30)*

worth and J. H. Joyce, Philadelphia; G. W. Darby, Baltimore; E. P. Coles



and R. B. Horning, Charlotte; E. D. McKellar, R. H. Jackson, and J. H. Persons, Atlanta.

**General Electric Co., Incandescent Lamp Dept., Atlanta, Ga., booth 115,** will show lighting equipment.

**General Electric Vapor Lamp Co., Hoboken, N. J., booth 115,** will exhibit the latest developments of Cooper Hewitt Industrial lighting units together with combination Cooper Hewitt Incandescent units, and also the three sizes of Type H Mercury Lamps.

In attendance will be Charles F. Strebig, sales manager; D. R. Grandy, commercial engineer; Frank E. Keener, C. N. Knapp, Thomas Collins, J. H. Bowers, and L. F. Gerisch.

**The Gerrard Co., Inc., Chicago, Ill., booth 244,** will exhibit wire tying machines and round wire strapping used for the reinforcement of all types of shipping containers.

The exposition will be attended by Adolf Larsen, sales manager; W. B. Renois, Southern division manager and E. J. Roberts, R. J. McClintock, representatives.

**L. H. Gilmer Co., Philadelhpia, Pa., booths 423-426,** will feature their Kable Kord Flat belting, their V-belts in standard multiple and fractional horsepower sizes, Cone belts, and Speedage Fabric belts.

In attendance will be A. B. MacFarland and W. W. Conard.

**Graton & Knight Co., Worcester, Mass., booth 415,** will show a working demonstration on Research Leather Belting.

The complete line of Graton & Knight loom strapping and textile mill specialties will be prominently featured also.

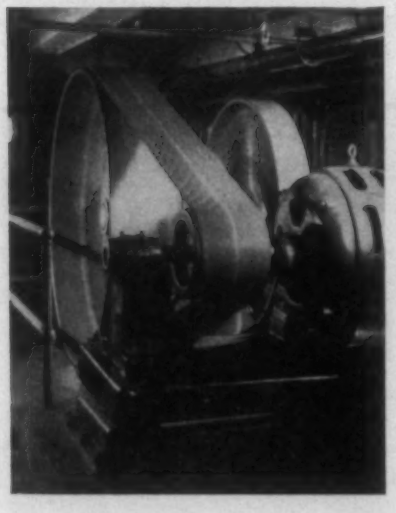
The executives and members of the sales and engineering staffs who will be in attendance are C. O. Drayton, general sales manager; G. A. Barnard, sales manager; J. E. MacMahon, sales manager; R. W. Chandler, director of research and engineering; P. M. Carter, manager loom strapping division; O. D. Landis, Southern representative; D. A. Ahlstrand, Southern representative.

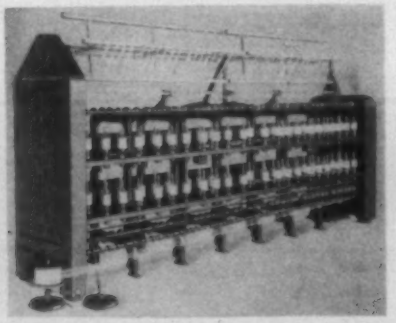
**Gulf Oil Corp., Pittsburgh, Pa., booth 211,** will show a dramatization of proper lubrication and its relation to the textile industry. There will also be an exhibit of samples for every use in Textile Plant Lubrication—from power house lubricants to spindle lubricants.

**Hercules Powder Co., Inc., Naval Stores Dept., Providence Drysalters Div., Paper Makers Chemical Div., Wilmington, Del., booths 331-332,** will show an exhibit of textile chemicals together with fabrics that have been treated with these chemicals.

In attendance will be A. Langmeier, P. Mayfield, B. H. Little, F. V. Rapp, W. W. Stapler, and C. H. Boys, Naval Stores; W. T. Bunce and F. C. N. Jackson, Drysalters; F. S. McMullen and H. M. Thompson, P. M. C.

**H & B American Machine Co., Pawtucket, R. I., booths 129-130,** intends to exhibit the following machinery: Super and Multiple Draft Roving Frames, Long Draft Spinning Frame, Rubber Covering Machines, and Belger Roving Testers.





J. Carlile Martin will be in charge of the exhibit and the following representatives are expected to be on hand: J. C. Martin, Atlanta office manager; Fred Dickinson, Fritz Zweifel, C. M. Powell, George W. Murphy, William B. Martin, William M. Fraser, E. J. McVey.

**E. F. Houghton & Co., Philadelphia, Pa., booth 132,** will feature the Houghton Size Check-Up Test — a method of analysis of warp sizing procedure — and a demonstration of the new Raylubric Pebble Control Process. Also shown will be: enlarged photographs of warps for comparison; rayon sizing products; a demonstration of Vim Thread leather belt and samples of textile leathers; and Sta Put lubricants for textile machinery.

Representatives will be G. S. Rogers, general sales manager; W. H. Brinkley, sales manager Southern division; D. C. Miner, advertising manager; H. C. Roberts, manager textile research; C. B. Kinney, district sales manager; J. J. Reilly, sales supervisor; J. A. Brittain, sales supervisor, and D. O. Wilie, B. E. Dodd, and J. W. Byrnes, sales representatives.

**Howard Bros. Mfg. Co., Worcester, Mass., booths 242-243,** will show descriptive display boards with samples of card clothing, heddles and hand stripping cards, with an automatic Trans-Lux advertising display of their various products, and how they are made at the home plant.

Harry C. Coley, president and treasurer; Guy L. Melchor, Southern agent; Arthur A. Moffitt, Northern representative, and Fritz Nuckols, card clothing engineer, will be present.

**Huntington & Guerry, Inc., Greenville, S. C., booth 202,** will feature trouble-proof electrical wiring and installations for textile mills. Representatives will be R. S. Huntington, DuPont Guerry, Jr., J. H. Howard, and J. A. Keller.

**Hyatt Bearings Div. General Motors Corp., Harrison, N. J., booth 120,** will exhibit a full line of anti-friction bearings for looms, preparatory and finishing machinery. They will show many of their newer applications in this equipment and all types and patterns of cloth produced on machines with Hyatt equipment.

In attendance will be H. K. Porter, general sales manager; W. L. Iliff, Eastern sales manager; H. M. Carroll, advertising manager; F. U. Naughton and E. P. O'Neill, sales engineers, and J. M. Grady, division engineer.

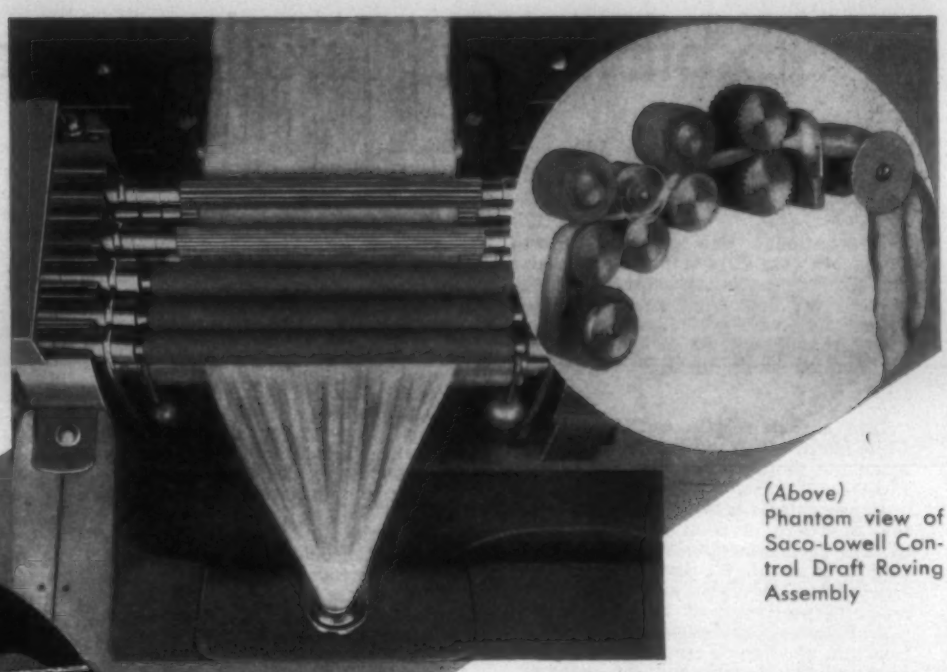
**Hygrolit, Inc., Kearny, N. J., booth 480,** will show two Hygrolit conditioning machines. The Model 5AY will perform the conditioning of filling bobbins whereas the Model BDE/F2 will show the conditioning of cones and packages of cotton, wool, worsted, rayon and mixed yarns.

C. F. Dulken and H. E. Kresse will be in charge, with John Klinck and J. Alfred Lechler, southern representatives, and Belton C. Plowden.

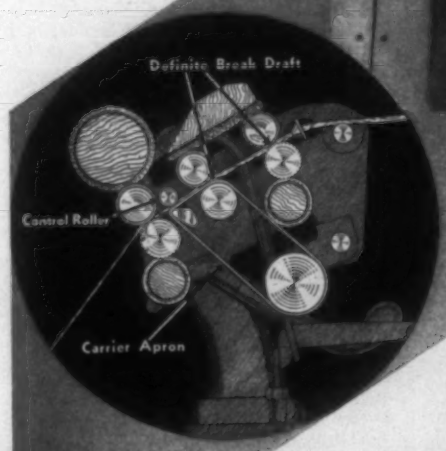
**International Nickel Co., Inc., New York, booths 443-444,** will show a display of mill and fabricated forms of textile plant equipment. The exhibit will feature Monel textile dry cans and Monel dye beams.

*(Continued on Page 34)*

*(Right)*
Looking down on the Saco-Lowell Controlled Draft Drawing Frame



*(Below)*
Cross section view of Saco-Lowell Roth Better Drafting System




*(Above)*
Phantom view of Saco-Lowell Control Draft Roving Assembly

# *Accurate and Efficient*

# FIBRE CONTROL

## . . is absolutely assured in the new Saco-Lowell Card Room and Spinning Room Drafting Systems

Starting with the Drawing Frame, continuing through the Roving, and finally in the Spinning the fibre is under definite control at the critical drafting periods. This is why yarns prepared on Saco-Lowell modern equipment are generally more even and stronger . . . and always less expensive to manufacture — frequently 33⅓% less.

Mills can save money by spinning all counts and character of yarns on this advanced equipment.

• P R O F I T B Y M O D E R N I Z I N G •

**SACO-LOWELL SHOPS, 147 Milk Street, Boston, Mass.**

# Exhibits at Textile Exposition

*(Continued from Page 32)*

E. A. Turner, J. F. Nation, and C. J. Bianowicz will be in attendance.

**International Salt ,Co., Scranton Pa., booth 481,** will exhibit one of their full-size Lixate Salt Dissolvers, which is used for dissolving rock salt into brine.

The exhibit will be in charge of R. V. Irwin, sales engineer, of Charlotte, N. C.

**Iron Fireman Mfg. Co., Cleveland, Ohio, booth 132-A,** will show the latest models of industrial and domestic Iron Fireman stokers.

Representatives will be: C. D. Carter, Southern division sales manager of the Iron Fireman Manufacturing Company and J. W. Baxter and H. G. Krayenhof, president and sales manager, respectively, of the Automatic Coal Burning Corporation, of Atlanta, Georgia, and Jack Fanning, Iron Fireman industrial engineer, Greensboro, N. C.

**E. H. Jacobs Mfg. Co., Danielson, Conn., booth 422,** intend to exhibit canvas and leather loom necessities as well as gift items manufactured by E. H. Jacobs Manufacturing Co., Danielson, Connecticut; cotton buffing wheels, manufactured by their subsidiary, the Williamsville Buff Mfg. Co., Danielson, Conn., and hardwood loom necessities manufactured by their other subsidiary, the E. H. Jacobs Manufacturing Corporation, Johnson City, Tennessee.

The representatives to be in attendance are W. I. Bullard, president; B. T. Clark, vice president; Edward J. Bullard, treasurer; S. B. Henderson, Southern service manager; C. W. Fletcher, vice president; Wesley Dynes, sales manager.

**Jenkins Bros., New York City, booths 441-442,** will feature Jenkins iron, bronze and steel valves, mechanical rubber goods and Moncrieff Scotch gauge glasses. Representatives in attendance will include Edwin L. Dean, Henry Foster and H. J. Barnsley.

**Johns Manville, New York, N. Y., booth 222,** will exhibit their line of building material products, as well as all Johns-Manville insulation products and packings for use in textile mills. R. S. Hammond, manager of Johns-Manville's Atlanta district, will be in charge of the booth. A. S. Royal, a veteran Johns-Manville representative, will be on duty in the booth.

**Johnson Bronze Co., New Castle, Pa., booth 250-A,** plans to devote their exhibition to the display of Johnson universal bronze bars; Johnson general purpose bearings; Johnson electric motor service bearings, and textile specialties.

Eugene Scanlon and Ira M. Valentine will be the representatives in attendance.

**The Johnson Corp., Three Rivers, Mich., booth 413,** plan to exhibit the Johnson Rotary Pressure Joint, a packless stuffing box for dry cans, calenders, slashers, sizers, etc. They will also show a condensate and boiler feed unit.

Representatives will be R. O. Monroe, Allen T. Shepherd, Lloyd Taylor, and John Dodd.

**Keever Starch Co., Columbus, Ohio, booth 407,** plan an exhibit similar to that in years past, showing samples of Victor Mill Starch in its various fluidities.

In attendance will be Charles J. Kurtz, president and general manager; Daniel H. Wallace, Southern agent; C. B. Iler, L. J. Castile, and F. M. Wallace, travelling representatives.

**Kisco Boiler and Engineering Co., St. Louis, Mo., booth 111,** will exhibit a Kisco Return-to Boiler System; a Kisco Condensate Reclaimer; A Kisco "Balanced-Lever" combination switch with remote control; and several Kisco ventilating exhaust fans, air movers, and circulators.

**A. C. Lawrence Leather Co., Peabody, Mass., booths 405-406,** is going to exhibit roller leather. H. H. Hersey will be in charge, and K. S. Kirk of the sheepskin department, Peabody, Massachusetts, is expected to be on hand.

**F. A. Lazenby & Co., Baltimore, Md., booth 436,** will exhibit their K type bobbin winder winding filling for automatic ilooms. The Model T Junior will be making filling in cop and butt form for duck and similar fabrics. The Model T will be turning out work for one of the heavy duck mills in the neighborhood.

Olney R. Payne and Robert F. Mormann will be in charge of the exhibit and J. D. Lazenby expects to be there part of the time.

**Lestershire Spool and Mfg. Co., Johnson City, N. Y., booth 225-F,** will exhibit fiber head spools, special silk and rayon twisting equipment, wire guides and cleaners. They will feature their Over-End warping spools for silk and rayon.

Representatives in attendance will be L. E. Wooten, vice president; E. G. Crooks, chief engineer, and H. D. Clinton, president.

**Leyland-Walsh Co., Readville, Mass., booth 466,** will exhibit textile finishing machinery, lappings and blankets. Also shown will be a general line of Thomas Leyland Machinery Co., including patented aluminum or iron suction bobbins for rubber-covered expanders.

Representatives will be Frederick T. Walsh and Sidney A. Mathews.

**Link Belt Co., Chicago, Ill., booth 220,** will exhibit silent and roller-chain drives, variable-speed gears, and a motorized speed reducer. Representatives will be G. H. Burkholder, H. D. Mitchell, W. J. Nighbert, J. R. Martin, L. S. Taylor.

**Lunkenheimer Co., Cincinnati, Ohio, booth 104,** will exhibit the new "N-M-D" (non-metallic disc) valves, "Alvor" constant level oil control, and "Vosta" loose pulley oilers.

In addition they will exhibit a line of bronze, iron, and steel valves, boiler mountings, lubricators, grease cups, oil cups, cocks and other engineering specialties. Sectioned models will be on display.

**MacBeth Daylighting Co., New York City, booth 307,** will exhibit their Daylight units for color matching and examining. Lamps to be shown ar the AKP82, PP80, AKP80, ACP50, and ACP30. There will also be a box showing the different color temperatures of daylight, ranging from north sky to sunlight. Attending will be F. F. Phillips and Norman MacBeth.

**Marchant Calculation Machine Co., Oakland, Calif., booths 223-224,** will feature new "Silent Speed" calculators, all electric and fully automatic. Representatives are to be A. T. Davis, E. M. Avery, J. T. McArthur, R. J. MacLean, and W. S. Webster.

**Mathieson Alkali Works, Inc., New York City, booths 469-470,** will display material and literature featuring various Mathieson Chemicals for textile processing, including caustic soda, soda ash, liquid chlorine, aqua ammonia, bicarbonate of soda, PH-Plus (fused alkali for water treatment) and H T H (true calcium hypochlorite containing 70% of available chlorine). In addition there will be a display of dry ice, or carbon dioxide ice, which is one of Mathieson's newest products distributed in the Southern States.

In attendance will be Fred O. Tilson, Southern district sales manager, and R. C. Staples, J. W. Ivey, Z. N. Holler, E. M. Murray, and G. E. Missbach.

**McLeod Companies, Greensboro, N. C., booths 423-426,** including McLeod Leather & Belting Co., and Odell Mill Supply of Greensboro, and Greenville Textile Supply Co., of Greenville, S. C., will exhibit leather belting, belt cements and preservatives, leather strapping, mill supplies, and miscellaneous textile equipment.

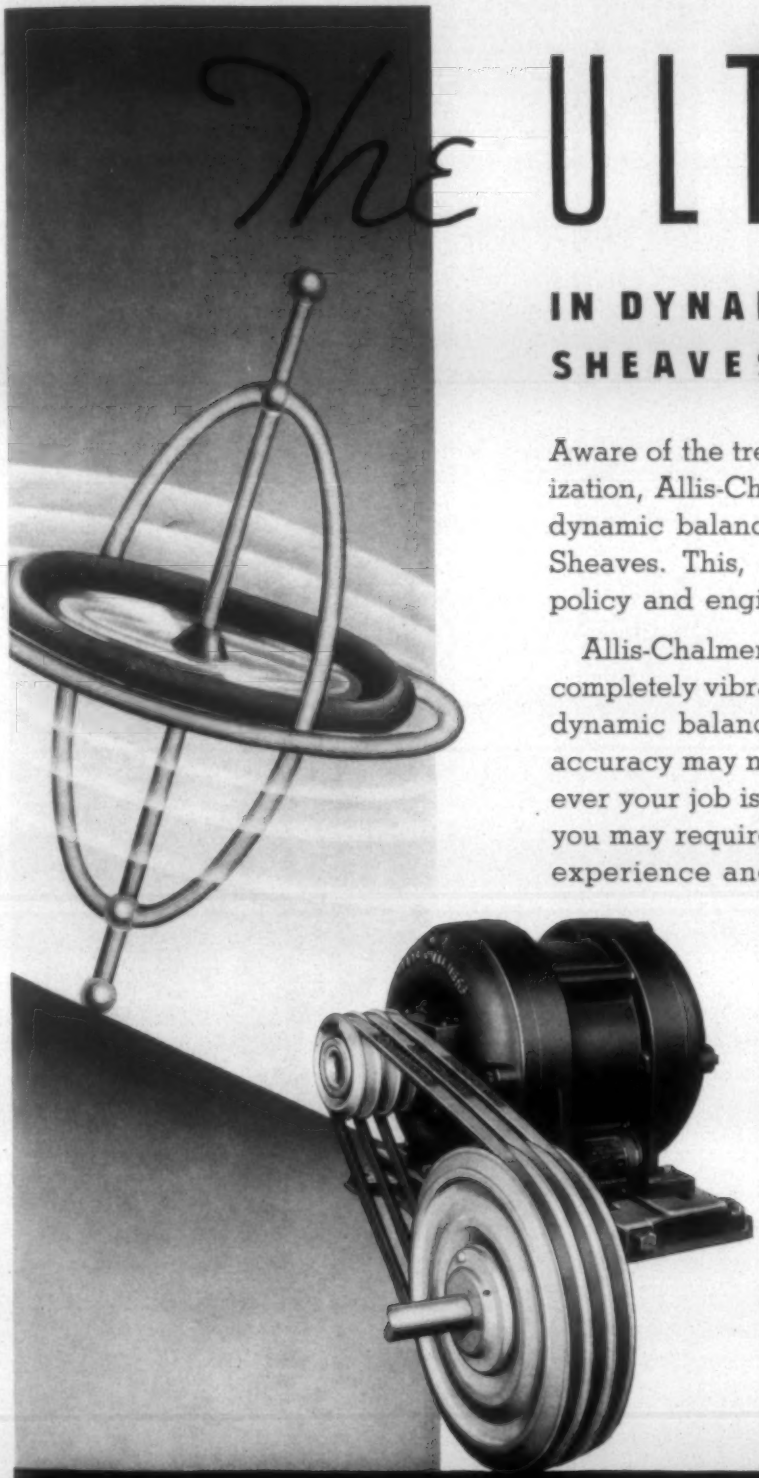
Attending the exposition will be W. T. McLeod, C. E. Bailes, Karl E. Fisher, R. F. Bost, W. L. Brigham, D. R. Dickson, M. D. Chase, C. Q. Mason, L. A. Tatum, R. B. Dorman, Hugh Graham, Jim Williams, T. M. Bailey, A. H. Causey, E. C. Barnhardt, Jr., D. C. Neese, and J. E. Carrigan.

**Merco Nordstrom Valve Co., Pittsburgh, Pa., booth 345,** will exhibit Nordstrom lubricated plug valves in steel, cast iron, and various alloys including Stainless Steel and Ni-Resist for corrosive services.

Representatives at booth will be F. G. Swaffield, W. F. McAulay, M. H. Weston, R. S. Reed, Jr.

**The Merrow Machine Company, Hartford, Conn., booth 225-A,** will feature their Styles 60ABB, 60D3B and 60ABBY machines for butted

*(Continued on Page 36)*



# The ULTIMATE

## IN DYNAMICALLY BALANCED SHEAVES FOR V-BELT DRIVES

Aware of the trend toward precision in plant modernization, Allis-Chalmers engineers now make the finest dynamic balance commercially available in Texrope Sheaves. This, again, illustrates the forward-looking policy and engineering capacity of the company.

Allis-Chalmers offers this accurately balanced and completely vibrationless sheave for applications where dynamic balance is necessary or desirable. Extreme accuracy may not be necessary on your job, but whatever your job is and whatever V-Belt drive equipment you may require, you get Allis-Chalmers engineering experience and ability built into it when you buy Texrope V-Belt Drives.

Allis-Chalmers originated and pioneered the multiple V-Belt drive principle, and has always maintained its position of leadership in that industry.

If you want the best multiple V-Belt drive equipment, buy from multiple V-Belt drive headquarters —Texrope Division of the Allis-Chalmers Mfg. Co.

*Write for Vari-Pitch Bulletin No. 1261*

**Belts by Goodrich**

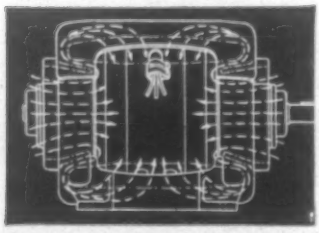
TEXROPE DIVISION

ALLIS·CHALMERS

MILWAUKEE WISCONSIN

**VISIT THE ALLIS-CHALMERS EXHIBIT—Booth No. 131-A—at the Southern Textile Exhibit; Greenville, South Carolina, April 5th to 10th**

# It's *tailor-made* for the Textile Industry



*Cut-away section of motor showing internal construction. Note large, smooth, unrestricted air passages for thorough ventilation.*




THE Allis-Chalmers Quick-Clean Motor is not a makeshift. It's not merely a standard motor that has been adapted to the Textile Industry. It is a motor—and the only one on the market—that has been specifically designed and built to meet the specific needs of the Textile Industry.

Allis-Chalmers Quick-Clean Motors have big, unrestricted air passages and glass-smooth inside surfaces to which lint and dust cannot adhere; all working parts are *positively* dust-sealed.

This motor actually and thoroughly cleans itself—thus overheating is eliminated and maintenance costs are reduced to an astonishing degree.

Four sizes—5, 7½, 10 and 15 H.P. Standard N.E.M.A. mounting dimensions.

MOTOR DIVISION

ALLIS-CHALMERS

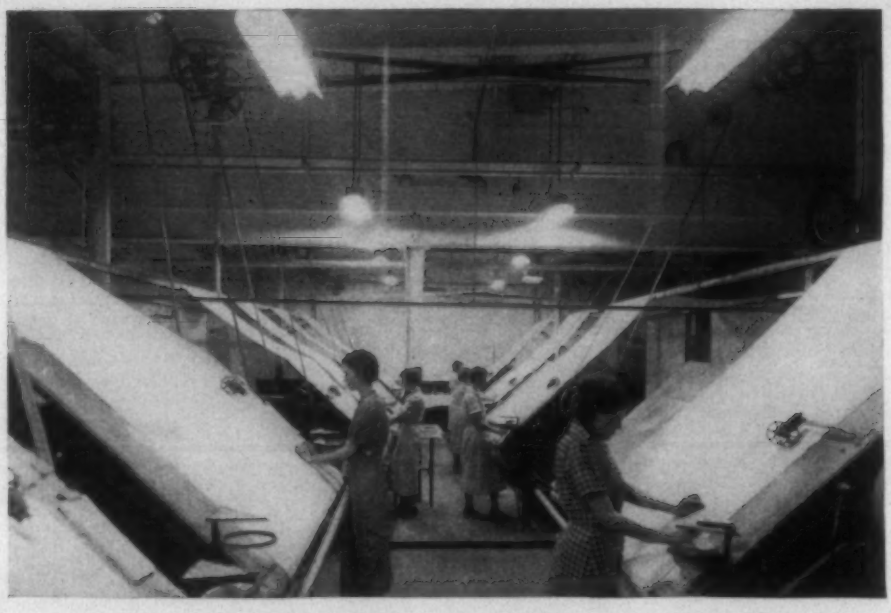



MILWAUKEE WISCONSIN

**VISIT THE ALLIS-CHALMERS EXHIBIT—Booth No. 131-A—at the Southern Textile Exhibit; Greenville, South Carolina, April 5th to 10th**

COOPER HEWITT ENGINEERED LIGHTING

# No Strained Eyes Or Nerves Here!



*Better and quicker inspection is made easy in one of the largest southern mills by means of Cooper Hewitt light*

Yard after yard is scrutinized, hour after hour. But the workers' eyes remain fresh throughout the entire shift under the detail-revealing light of Cooper Hewitts. Bad cloth does not slip past. Eyes and nerves are not strained.

Full efficiency, day or night, is maintained throughout the entire shift with the aid of this glareless, penetrating light. The long light source practically eliminates shadows. Workers enjoy the soothing "better than daylight" illumination. Management profits through uniformly better work.

Where it is important to approximate "daylight color," incandescent lamps can be combined with the Cooper Hewitts. Complete information may be obtained from the General Electric Vapor Lamp Company, 895 Adams Street, Hoboken, New Jersey.

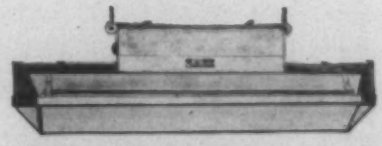
**VISIT OUR BOOTHS**

No. 115 at the
**SOUTHERN TEXTILE EXPOSITION**
April 5-10 Greenville, S. C.

No. 155 at the
**KNITTING ARTS EXHIBITION**
April 19-23 Philadelphia, Pa.



**STANDARD COOPER HEWITT**
"Better than daylight" for over 30 years.



**COMBINATION MERCURY AND INCANDESCENT**
For use where color is of importance.

**GENERAL ELECTRIC VAPOR LAMP COMPANY**

804C

# Exhibits at Textile Exposition

*(Continued from Page 34)*

seaming, also their new Class A machines for overseaming and overedging at recommended speed of 4500 R.P.M.

Southern representatives, E. W. Hollister of Charlotte and R. B. Moreland of Atlanta, will be in charge and it is expected that one or more executives from the Hartford plant will attend.

**Mexico Refractories Co., Mexico, Mo., booth 344,** will exhibit Hiloset, high temperature cement; Mono-Fibric, plastic firebrick; Furnas-Crete, castable refractory; high grade Missouri fire brick; and Mo-Rex-Viking, Aztex-Thor, Jay Bee, and Alumex.

Representatives will be P. A. McIntyre, Homer P. Sossomon, and P. R. Garretson.

**The Miller Co., Meriden, Conn., booth 133,** will feature industrial and commercial lighting equipment including latest developments in combination high-intensity mercury-vapor and incandescent equipment.

Representing them will be G. G. Harney, J. J. Perry, Jr., and William Cason.

**Monroe Calculating Machine Co., Orange, N. J., booth 225-G,** will show Monroe Adding-Calculators, Adding-Listing and Bookkeeping Machines, and Check Writers.

Several entirely new Monroe models will be displayed. A bookkeeping machine designed especially for pay-



roll work is said to prepare the employee's check or cash receipt showing gross earnings, deductions, and net pay; at the same time it makes a record of the employee's earnings in neat, legible form for making reports under the Social Security Act. The latest model of the Monroe Adding-Calculator will be introduced publicly for the first time at the Textile Show.

Representatives include J. C. Fleming, manager, Monroe Greenville district office; P. D. Williams, specialist, Monroe Southern sales division; P. T. Burry, Monroe representative, Greenville; J. F. McLendon, Monroe representative, Columbia, S. C.

**Morse Chain Co., Ithaca, N. Y., booth 358,** will exhibit roller chain drives, silent chain drives, flexible couplings, clutches (Pullmore & Kelpo).

Representatives will be W. W. Bertram, sales manager; R. J. Koch, assistant sales manager; H. E. Matthews, Southern representative.

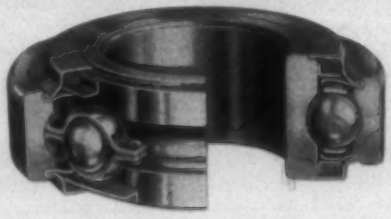
**Myles Salt Co., Ltd., New Orleans, La., booth 325,** will show the Myles Salt Brine Percolator (or dissolver) No. 3 Unit producing 400 gallons of brine per hour using Myles Louisiana Rock Salt and city pipe line water.

Representatives in attendance will be Wm. A. Levins, district sales manager, Charlotte; T. W. Greve, district sales manager, Atlanta, Ga.; S. B. Schwartz, designer and engineer, New Orleans, La.

**National Ring Traveler Co., Providence, R. I., booth 348,** will show a full line of their patented ring spinning and twisting travelers.

The booth will be in charge of C. D. Taylor, Southern agent, and other representatives will be L. E. Taylor, Otto V. Pratt, H. B. Askew, and possibly Philip C. Wentworth.

**New Departure Div., General Motors Corp., Bristol, Conn., booth 464,** will exhibit a tension control device in connection with their Variable Speed



Transitorq. Also shown will be their New Departure ball bearings, with emphasis on the Self-Sealed, N-D-Seal bearing.

Representatives will be T. C. O. Crow, W. H. Harrington, Roger Brouwer, C. B. Beckwith, J. P. Gillilan, E. M. Potter, and John Collins.

**New York and New Jersey Lubricant Co., New York City, booth 109,** will demonstrate Non-Fluid Oil, and will have available literature on all phases of textile mill machine lubrication.

The full Southern sales staff will be present, under the direction of Jos. H. Bennis, sales manager. Lewis H. Thomason, Falls L. Thomason, W. C. Taylor, J. A. Sorrells and F. D. Jacoway constitute the remainder of the staff.

**Wm. R. Noone & Co., Boston, Mass., booths 423-426,** will be represented by George H. Bridge and L. L. Watkins.

**Norma-Hoffmann Bearings Corp., Stamford, Conn., booths 453-454,** plans to display a complete line of representative samples of their ball, roller and thrust bearings.

They will also show representative samples of their ball and roller bearing pillow blocks and mountings. To suppliment these they will exhibit their sealed grease packed and protected ball bearings, including several new types which have been brought out in the last year, i.e. their 3000 series "Cartridge" bearings and their 9000 series metal sealed ball bearings.

The display will be in charge of the Southern representative E. W. Lawrence, and among those who will be in attendance are W. M. Nones, president; O. P. Wilson, vice president; G. R. Bott, chief engineer; H. J. Ritter, sales manager; D. E. Batesole, assistant chief engineer; T. E. Rounds, sales engineer; and R. V. Donnelly, New England representative.

**Norris Brothers, Greenville, S. C., booth 225-B,** will exhibit a line of dogwood and persimmon shuttles consisting of duck, rayon, silk, jute hand threader and automatic shuttles.

The feature of their exhibit will be the Norris patented, improved cast iron eyes for standard wind filling and the Norris patented, improved cast iron eyes for reverse wind filling; also, a new eye for automatic shuttles for use on wool and part wool fillings.

They will exhibit their line of wood parts for looms and also dogwood and persimmon shuttle blocks for domestic and foreign trade.

Their booth will be in charge of B. R. Burnham, sales manager. P. W. Matheson and J. W. Littlefield, salesmen, will be in the booth during this show.

**Oakite Products, Inc., New York, booth 309,** will exhibit its various textile detergents used in connection with wool scouring, kier boiling of cotton goods, boiling out of hosiery before dyeing, scouring piece goods.

Exhibit will also include charts and illustrations showing methods used for heddle and drop wire cleaning, including the cleaning of dyeing machinery of all types.

Those in attendance will be Carl Johnson, technical director; J. J. Basch, division manager and H. M. Steeb, local Oakite service representation in Charlotte, N. C.

**Ox Fibre Brush Co., Inc., Frederick, Md., booth 320,** will exhibit their line of textile brushes, together with brushes applicable to general mill maintainance.

Attending will be Charles Hayward, Southern representative, of Atlanta, Ga.; Louis R. Bressler, vice president in charge of sales, N. Y. office; Frederick W. Weitzel, general manager of all plants, Frederick, Md.; James A. Wright, superintendent of the Florida Palmetto Co., Samford, Florida.

**Penick & Ford, Ltd., Inc., Cedar Rapids, Iowa, booths 439-440, will** display starches, dextrines, gums, textile sugar, corn syrup, corn oil, corn oil soap.

Attendants will be D. P. O'Connor, vice president; H. A. Horan, Western

*(Continued on Page 38)*




Come to the Greenville Textile Show

and See the

Progress We Have Made

in 2 Years in Building

Better Draper Looms

also

Improved Shuttles and Bobbins

and Spindles

DRAPER CORPORATION

# Exhibits at Textile Exposition

*(Continued from Page 36)*

bulk sales manager; P. G. Wear, Southeastern sales manager; Guy L. Morrison, South Carolina; J. H. Almand, Georgia; C. T. Lassiter, North Carolina; W. J. Kirby, Alabama and Florida; T. H. Nelson, North and South Carolina, E. Kontz, Jr., Southern representative; and C. E. Barr, Texas.

**The Permutit Co., New York, N. Y., booth 411,** will feature the new portable Ranerex $CO^2$ indicator; also automatic water softener, coagulant, and chemical feeding devices. Representatives will be H. H. Morrison, N. D. Doane, and M. F. Corin.

**Plibrico Co., Chicago, Ill., booth 438,** will exhibit Plibrico Jointless Firebrick, Plicast Castable Refractory Material, Demon Air-Set, Hyrate Refractory Cements, and Beco-Turner Baffles.

They will be represented by O. L. Ballard, Mark H. Allen, and F. S. Rieder.

**Port Utilities Commission, Charleston, S. C., booth 312,** will show photographs and printed matter descriptive of port facilities and commerce. H. P. Dew, traffic manager, will be in charge.

**The Powers Regulator Co., Chicago, Ill., booth 435,** will show automatic recording and controlling instruments. Representatives are to be F. E. Klages, E. Foss, W. C. Heckeroth, J. Joyce, and F. C. Jones, Jr.

**Premier-Pabst Sales Co., Chicago, Ill., booth 311.**

**Power Transmission Council, Inc., booths 227-228,** will exhibit P. T. C. Energy Drive.

Attendants at booth will be A. P. Homer, president; V. A. Hanson, vice



president and chief engineer; R. S. Smith, engineer.

**Protective Life Insurance Co., Birmingham, Ala., booth 318.**

**Rawls & Jennings, Greenville, S. C., booth 108½-A,** will exhibit Temprite Industrial Water Coolers and drinking fountains for the textile trade. Representatives will be John Wyllie and J. W. Jennings.

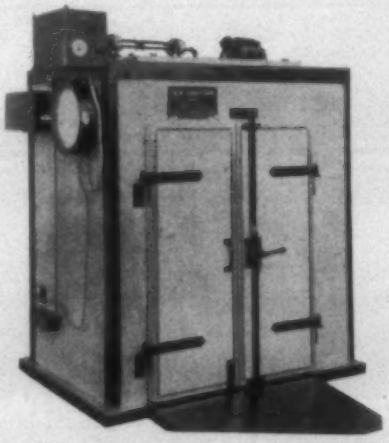
**Rayon Textile Monthly, New York City, booths 327-328.** Textile publishers.

**Reeves Pulley Co., Columbus, Ind., booths 240-241,** will exhibit a number of different designs and controls of the Reeves Variable Speed Transmission, Vari-Speed Motor Pulley and Vari-Speed Motodrive.

They will feature a miniature set of three stacks of dry cans and mangle, about one-fourth actual size, driven by three Reeves Transmissions, which drives the entire unit and is said to also regulate tension between the various sections, and control from the cloth.

The following will be in attendance: C. L. Irwin and C. M. Reeves from the factory; D. M. McSpadden and W. Clark Erwin of the Charlotte office; J. W. Vaughan, Jr., of the Greenville office; and Alfred Jepson of the Atlanta office.

**Republic Steel Corp., Cleveland, Ohio, booths 473-476,** will have an experimental bleaching kier by William Allen Sons Co.; an expander arrangement, tenter frame clip, roller bearings manufactured by Van Vlaanderen Machine Co.; a miniature jig



tub and miniature dry can and liner made by S. Blickman Company; a 50 inch dye jig by Werner Machine Company; a humidifying unit by Industrial Dryer Corporation, and utensils, pails, dippers and other fabricated articles. These articles are all fabricated from Enduro Stainless Steel which they expect to feature.

The men who will be in attendance at their booth are C. C. Snyder, of the Alloy Steel division, who will be in charge, assisted by G. W. Hinkle, R. J. Working, J. W. Minor, Gale R. Irvin and C. W. Ruth.

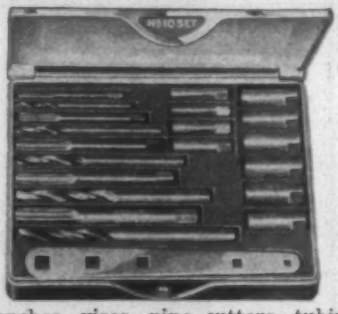
**J. E. Rhoads & Sons, Philadelphia, Pa., booths 245-246,** are planning to exhibit Tannate Flat Leather Belting, Tannate Textile Straps, Tannate Special Round, and Tannate Belt Preserver.

Attending will be J. E. Rhoads, R. H. Rhoads, S. L. Allen, L. H. Schwoebel, C. R. Mitchell, J. W. Mitchell, A. S. Jay, and J. T. Hoffman.

**Rhode Island Warp Stop Equipment Co., Pawtucket, R. I., booth 125-A,** will feature the K-A Electrical Warp Stop equipment showing various features of adaptation; accessories, including feelers and other adjuncts. Also K-A Drop Wires. A new reed spring will be shown, which is said to be advantageous in weaving synthetics.

William D. Whittaker, Atlanta, Ga., will be in charge of the booth, and attending will be Edwin C. Smith, president and manager, Pawtucket, R. I.; George W. Smith, Greensboro, N. C.; W. L. Ferguson, Fort Mill, S. C.

**The Ridge Tool Co., Elyria, Ohio, booth 110½-A,** will exhibit a complete line of Ridgid Pipe Tools, including



wrenches, vises, pipe cutters, tubing cutters, threading oil, super wrenches, and threading tools. Also they will feature their line of Ridgid LonGrip screw and pipe extractors. In attendance will be J. J. McIntosh and C. H. Ingwer, Jr., sales representatives, and W. L. Parcell, sales manager.

**Wm. C. Robinson & Son Co., Charlotte, N. C., booth 105,** will have a display of their regular line of Robinson's Textile Industrial Lubricants and Specialties together with a special display featuring "Slashol" for sizing.

Present will be Robt. T. Purkins, vice president, Baltimore, Md.; B. D. Heath, Southern manager, Charlotte, N. C.; C. M. Greene, representative, Greensboro, N. C.; Robt. J. Maxwell, representative, Greenville, S. C.; Fred W. Smith, representative, Charlotte, N. C.; B. F. Houston, representative, Charlotte, N. C.; H. K. Boileau, chief chemist, Baltimore, Md.

**B. S. Roy & Son Co., Worcester, Mass., booth 207,** will show four cotton card grinders.

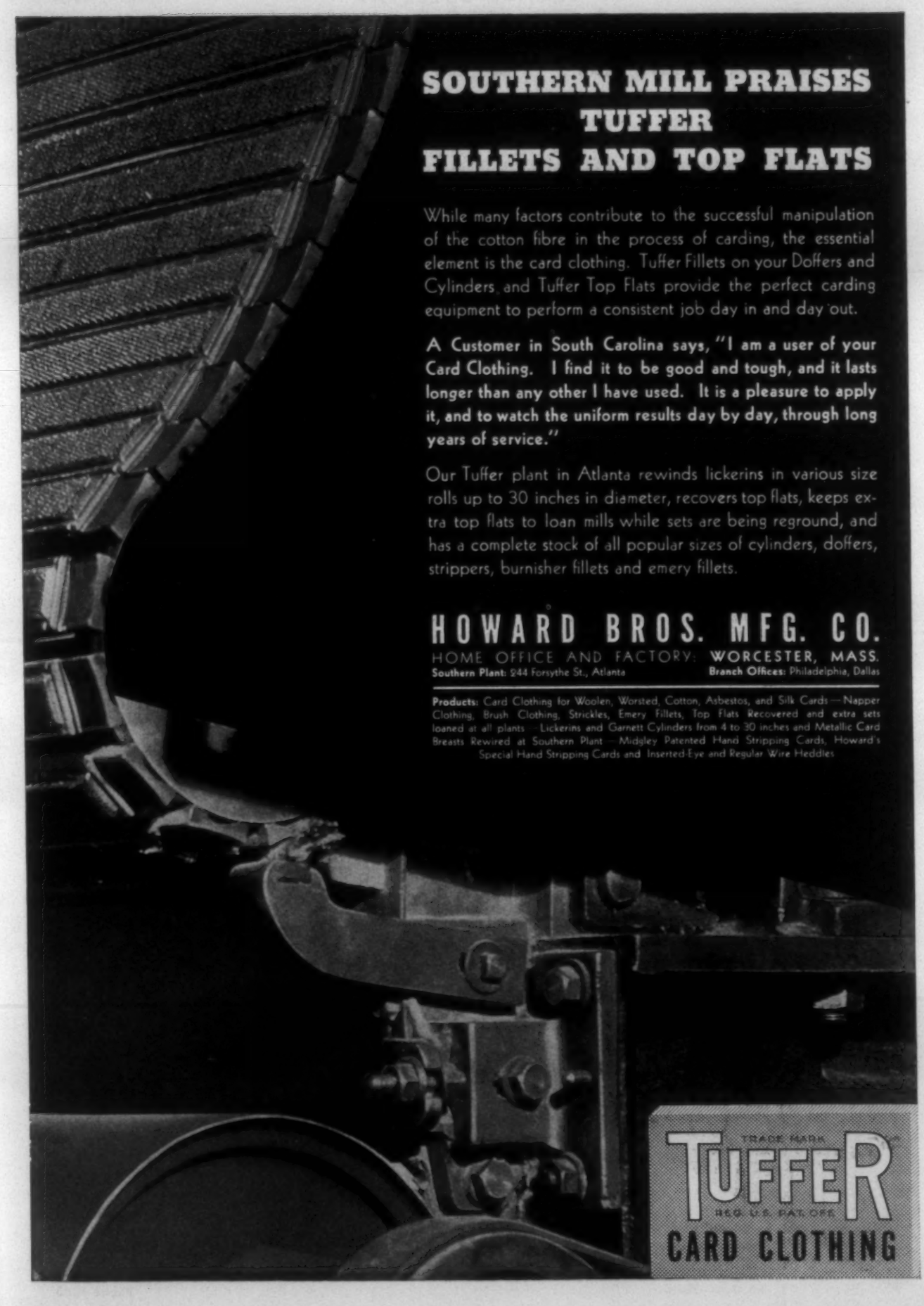
The new Bare Cylinder Roll Grinder for cotton cards will be a feature of this exhibit. The purpose of this machine is to grind true bare cylinders before clothing or re-drawing.

Representatives will be John R. Roy and Herman C. Schwager.

**Saco-Lowell Shops, Boston, Mass., booth 226,** will exhibit one of their newest type combers, a roving frame with all their latest long draft improvements, a spinning frame equipped with Saco-Lowell Better Draft System, a Kettley measuring machine for making accurate measurements of laps, a number of other small exhibits such as flyers, spindles, and continuous strippers.

The following members of the organization will be present: D. F.

*(Continued on Page 40)*



# SOUTHERN MILL PRAISES TUFFER FILLETS AND TOP FLATS

While many factors contribute to the successful manipulation of the cotton fibre in the process of carding, the essential element is the card clothing. Tuffer Fillets on your Doffers and Cylinders and Tuffer Top Flats provide the perfect carding equipment to perform a consistent job day in and day out.

**A Customer in South Carolina says, "I am a user of your Card Clothing. I find it to be good and tough, and it lasts longer than any other I have used. It is a pleasure to apply it, and to watch the uniform results day by day, through long years of service."**

Our Tuffer plant in Atlanta rewinds lickerins in various size rolls up to 30 inches in diameter, recovers top flats, keeps extra top flats to loan mills while sets are being reground, and has a complete stock of all popular sizes of cylinders, doffers, strippers, burnisher fillets and emery fillets.

## HOWARD BROS. MFG. CO.

HOME OFFICE AND FACTORY: WORCESTER, MASS.

**Southern Plant:** 244 Forsythe St., Atlanta **Branch Offices:** Philadelphia, Dallas

**Products:** Card Clothing for Woolen, Worsted, Cotton, Asbestos, and Silk Cards—Napper Clothing, Brush Clothing, Strickles, Emery Fillets, Top Flats Recovered and extra sets loaned at all plants—Lickerins and Garnett Cylinders from 4 to 30 inches and Metallic Card Breasts Rewired at Southern Plant—Midgley Patented Hand Stripping Cards, Howard's Special Hand Stripping Cards and Inserted-Eye and Regular Wire Heddles

TRADE MARK

TUFFER

REG. U.S. PAT. OFF.

CARD CLOTHING

# Exhibits at Textile Exposition

*(Continued from Page 38)*

Edwards, president; W. F. Lowell, vice president; F. E. Rowe, Jr., division engineer; James Strang, John Graves, R. A. Kettley, vice president; E. E. Blake, chief engineer; H. P. Worth, Miles Comer.

**Sarco Co., Inc., New York City, booth 429**, will feature steam traps for industrial applications in the textile industry at both high and low pressures.

Exhibited also will be their line of self-operated temperature regulators for use in connection with size cookers, dryers, slashers, wool scourers, and similar textile equipment. There will be a new line of electric temperature controls in connection with industrial applications, as well as heating and air conditioning.

Pipe line strainers and pipe savers are other industrial items. They will also have on view their line of specialties for vapor and vacuum type two pipe steam heating systems for buildings of all sizes.

Representatives will be E. E. Wells, H. E. Gray, and S. Roberts.

**The Sherwin-Williams Co., Philadelphia, Pa., booth 401**, exhibit will consist of a demonstration of Save-Lite finishes, Mill Village paint and Velvet Enamel.

The representatives who will be in attendance are John W. Limbach, representative from Atlanta, Ga.; M. P. Forte, branch manager at Columbus, Ga.; R. B. Olney, representative from Spartanburg, S. C.; E. H. Steger, representative from Charlotte, N. C.; G. L. Hehl, superintendent of plant at Newark, N. J.; A. H. Kennedy, manager of maintenance sales, Philadelphia, Pa.

**Simplex Valve and Meter Co., Philadelphia, Pa., booth 339**, will show the Venturi meter, filter rate controller, and filter gauges. Representatives will be Everett M. Jones, W. D. Taulman, T. C. Heyward, and M. M. Borden.

**Singer Sewing Machine Co., New York City, booths 232-233**, will show piece and stitching equipment, both portable and stationary types.

There will be the 158K type piece end stitching machine with power driven carriage capable of piece end stitching widths up to 108". All equipment will be mounted on Singer Power Tables and driven by the Singer Electric Transmitter, machines fitted with newly developed Singerlight fixture.

There will be the 231 class automatically oiled two thread, high speed, feed off the arm chain stitch for felling and closing operations, the 147 class flat bed, high speed, two thread, chain stitch machine, also 95 class high speed, lock stitch machine for hemming sheets, pillow cases, towels, etc.

The following Singer representatives will be in attendance: H. C. Morehouse, executive offices; J. C. Lewis, general agent, Atlanta manufacturers agency; C. S. Womack, Atlanta manufacturers agency; E. C. Cain, Atlanta manufacturers agency; J. W. Daley, general agent, Baltimore manufacturers agency; S. MacLerie, general agent, Boston manufacturers agency.

**J. E. Sirrine & Co., Greenville, S. C., booth 219.** Reception and information booth for visitors.

**S K F Industries, Inc., Philadelphia, Pa., booths 467-468**, plan to feature a loom equipped with SKF bearings. In addition, a complete line of ball and roller bearings, spindles, and tension pulleys will be shown.

Attending will be R. H. DeMott, B. F. Davis, K. F. Thomas, Philadelphia; H. A. Fonda, Boston; N. Miller, M. H. Courtenay, G. E. Allen, Atlanta; R. W. Franklin, H. P. Goodwin, Charlotte.

**Smith, Drum & Co., Philadelphia, Pa., booth 125-B**, plans to exhibit skein dyeing equipment, package dye-

*(Continued on Page 42)*

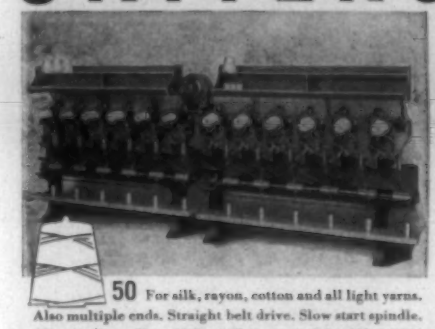



All The Dust & Lint
from
Spoolers - Nappers - Warpers
equipped with
Patent No. 2,057,139
VACUUM Lint & Dust Collector
Manufactured and installed by
THE TEXTILE SHOP
Spartanburg, S. C.
Graduate Engineers
Expert Coppersmiths
"No Drip" Hoods
Phone 1008

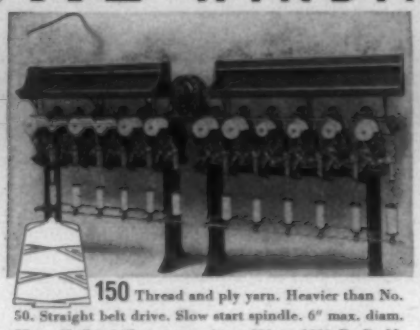
# GETTING THE MOST FROM WINDING

These Leesona Winders will help *you* to get the most from *your* winding.

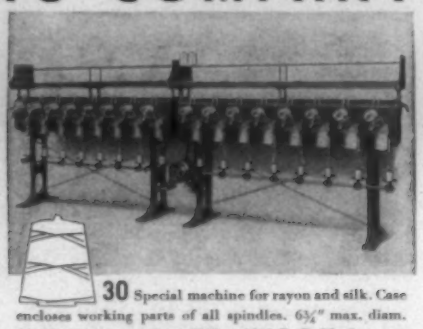
# UNIVERSAL WINDING COMPANY



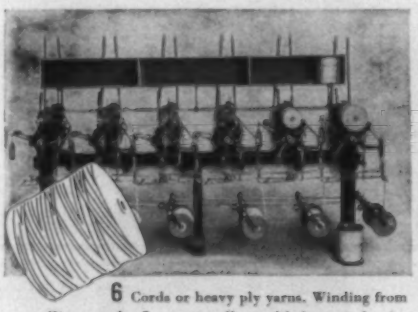
**50** For silk, rayon, cotton and all light yarns. Also multiple ends. Straight belt drive. Slow start spindle. 6" max. diam. 2" to 6" (by ½") traverse sizes. 800 to 1200 R. P. M. 1 or 6 sp. per unit. ½ H. P. for 6 sp. Space: 5′ 8" x 2′. Cones or tubes. (Emulsion attachment shown).



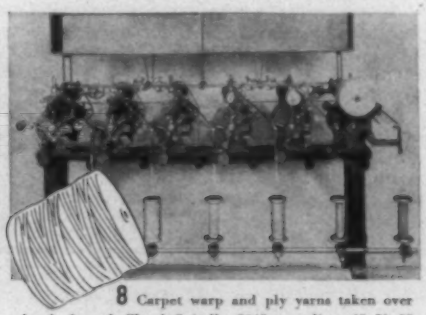
**150** Thread and ply yarn. Heavier than No. 50. Straight belt drive. Slow start spindle. 6" max. diam. 2" to 6" (by ½") traverse sizes. 800 to 1200 R. P. M. 1 or 6 sp. per unit. ½ H. P. for 6 sp. Space: 5′ 8" x 2′. Cones or tubes. Wider belts. Special traverse frame back.



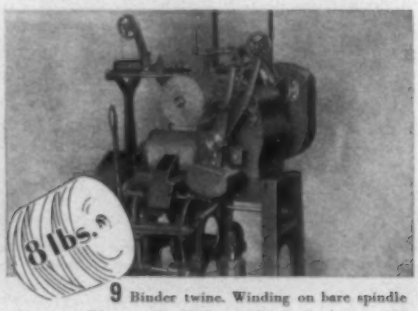
**30** Special machine for rayon and silk. Case encloses working parts of all spindles. 6¼" max. diam. 4", 5", 6" traverse sizes. 1100 to 1300 R. P. M. 8 sp. per unit. ⅓ H. P. for 8 sp. Space: 8′ x 2′. Cones or tubes.



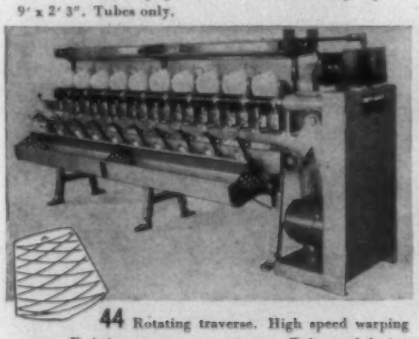
**6** Cords or heavy ply yarns. Winding from unrolling spools. Separate pulley and belt on *each* spindle. 8½" max. diam. 6", 7", 8" traverse sizes. 450 to 600 R. P. M. 1 or 6 sp. per unit. 1 H. P. for 6 sp. Space: 9′ x 2′ 3". Tubes only.



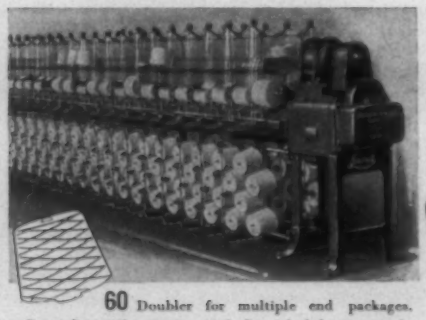
**8** Carpet warp and ply yarns taken over head of spool. Clutch Spindle. 8½" max. diam. 6", 7", 8" traverse sizes. 750 R. P. M. 1 or 6 sp. per unit. 1 H. P. for 6 sp. Space: 6′ 7" x 2′ 3". Tubes only.



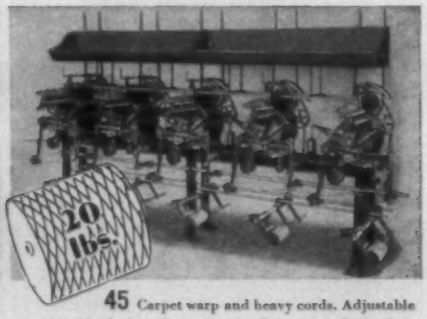

**9** Binder twine. Winding on bare spindle from unrolling spools. 8½" max. diam. 6" traverse. 700 to 800 R. P. M. 1 sp. per unit. ¾ H. P. for 1 sp. Space: 33" x 32". Tubes only.



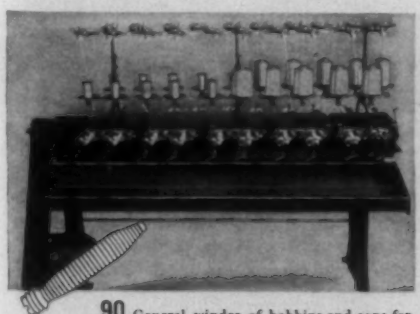
**44** Rotating traverse. High speed warping yarns. Knitting yarns on paper cones. Tubes and dyeing packages. 8" max. diam. 6" traverse. 400 to 800 Y. P. M. 10 to 120 sp. per unit. 6 H. P. for 120 sp. Space (100 sp.): 44′ 4" x 51". Cones or tubes.



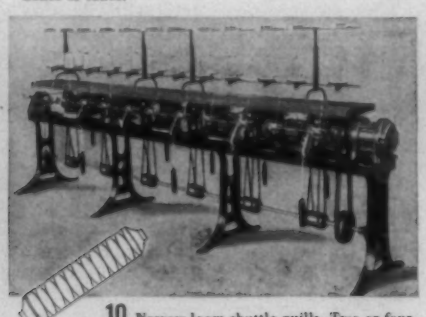
**60** Doubler for multiple end packages. Cones for woolen and worsted. Special slub trap attachment. 8" max. diam. 6" traverse. 400 to 500 Y. P. M. 12 to 96 sp. per unit. 3 H. P. for 96 sp. Space: 43′ x 3′ 10". Cones or tubes.



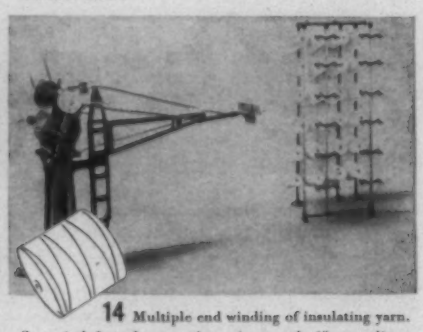

**45** Carpet warp and heavy cords. Adjustable traverse hack for tubes or cones. Bijur (one shot) oiling system. 6", 8", 9", 10" traverse sizes. 400 to 600 R. P. M. 1 or 5 sp. per unit. 5 H. P. for 5 sp. Space: 10′ 10" x 3′ 4". Cones or tubes.



**90** General winder of bobbins and cops for all weaving yarns. Automatic bunch. 1¾" max. diam. Traverse sizes from 8½" to 12½". 2000 to 4000 R. P. M. 4 or 20 sp. per unit. ¾ H. P. for 20 sp. Space: 7′ 1" x 3′.



**10** Narrow loom shuttle quills. Two or four packages on each head. 2" max. diam. 1/8" to 4" (by 1/8") traverse sizes. 1000 to 1500 R. P. M. 1 to 6 sp. per unit. ½ H. P. for 6 heads. Space: 5′ 9" x 2′ 9".



**14** Multiple end winding of insulating yarn. Can wind from large packages in a creel. 6" max. diam. 2" to 6" traverse sizes. 800 R. P. M. 1 sp. per unit. ¼ H. P. for 1 sp. Space: 3 10" x 2′. Tubes only.

# Exhibits at Textile Exposition

*(Continued from Page 40)*

ing equipment and piece goods dyeing equipment.

Those in attendance will be Harry S. Drum, W. C. Dodson, J. E. MacDougall, J. M. Ballentine.

**Snap-On Tools, Inc., Kenosha, Wis., booth 303,** plans to show practically their entire line of textile tools. This will include pliers, box wrenches, end wrenches, cam wrenches, change wrenches, screw drivers, pipe wrenches, tool boxes, etc.

The exhibit will be in charge of R. A. Martin, branch manager of Atlanta, and Odis Stevens and Kennard Martin, textile mill representatives out of the Atlanta branch.

**Socony-Vacuum Oil Co., Baltimore, Md., booth 355,** will exhibit "The Pageant of Industrial Progress" (showing various epochs in Industry). Also shown will be Gargoyle lubricating oils and greases, and processing oils.

Representatives attending will be C. G. Swank, general manager, Southeastern division; F. H. Trewin, technical assistant manager, Southeastern division; E. T. Gregorie, B. C. Decker, Bruce Cotten, G. W. Roberts, sales engineers; and G. B. Rogers, textile sales engineer.

**Sonoco Products Co., Hartsville, S. C., booth 103,** will show a line of paper carriers; cones, tubes, spools, bobbins, etc. They will also display their latest type of roll covering equipment for installing and finishing cork cots.

In attendance will be C. H. Campbell, general sales manager, and the following representatives: W. B. Broadbent, W. A. Biggs, H. F. Gaffney, P. F. Williams, W. M. Carpenter, E. S. Reid.

**Southern Shuttles, Inc., Greenville, S. C., booth 123,** exhibit will consist of many types of automatic bobbin changing shuttles, automatic shuttle changing loom shuttle, plain hand threading shuttles, silk tension shuttles. All of these mentioned shuttles will be with or without tensioning devices and for silk, cotton, jute, hair, and wool yarns. There will also be a newly designed flat shuttle for the use of flat silk quills, first pick tension shuttles for automatic bobbin changing looms, and automatic shuttle eye and shuttle grip for high speed looms.

Representatives in attendance at the booth will be Louis D. Batson, president; J. J. Kaufmann, Jr., treasurer; H. E. Littlejohn, Davis L. Batson, Claude W. Cain, H. Raiford Gaffney, John P. Batson, and Jess Long, salesmen.

**A. E. Staley Mfg. Co., Decatur, Ill., booth 416,** will feature no particular exhibit. Attending the exposition will be Allen Fuller, George A. Dean, W. T. O'Steen, John A. Harris, R. R. Berry, Jr., H. A. Mitchell, William H. Randolph, Jr., I. F. Wieland.

**Steel Heddle Mfg. Co., Philadelphia, Pa., booth 123,** will feature a loom in operation equipped with harness and accessories. In conjunction with this, will be exhibited a collection of the latest creations in fabrics together with the various harnesses created by the engineering and developing division for the weaving of same.

At the Exposition will be present all the officials of the company—J. J. Kaufman, Sr., president and general manager; Robert J. Freitag, secretary and treasurer, and J. J. Kaufman, Jr., in charge of Southern operations. All the Southern sales force including all the practical field men will also be present.

**Stein, Hall & Co., Inc., Charlotte, N. C., booth 482,** will exhibit their regular starch products, and in addition, will display products of more recent development. Technical literature and Consistometer charts unfolding the characteristics of the commercial starches will be at hand.

Representatives in attendance will be Ira L. Griffin, Southern manager; Fred G. LaPiana, Eastern field technician; J. W. Stallings, chief chemist, Charlotte laboratory; W. B. Strickland, assistant chemist, Charlotte laboratory; T. C. Davis, representative North Carolina and Virginia; W. N. Kline, Jr., representative South Carolina; C. R. Gill, representative Georgia and Alabama.

**Stewart Warner Corp., Chicago, Ill., booth 125-D,** Alemite exhibit will consist principally of lubricating equipment, mostly of the high pressure type, suitable for application of plastic type (grease) lubricant to textile machinery. A line of lubricants for application to the textile industry will also be shown.

Pneumatic and electric power operated portable grease guns, as well as hand operated types of grease guns will be shown and demonstrated.

Further, a centralized pressure system of lubrication, which meters a predetermined amount of lubricant for each bearing per application, will be shown.

Typical parts of looms, spinning frames, etc., will be shown, equipped with pressure type lubricating fittings. The large assortment of the various types of bearings and gears common to the textile industry, and the lubricating problems which they present, will also be shown.

The Alemite exhibit will be in charge of A. J. Tilton and O. A. L. Keser, who represent the Alemite factory in the principal textile states.

**Joseph Sykes Bros., (American) Inc., Charlotte, N. C., booth 336,** will have a show case with samples of many types of card clothing used on cotton cards, and the representatives in charge and in attendance will be Walter B. Pratt, Southern agent; Harry Morrow, A. L. Whipple, and Charlie Mason, traveling representatives.

**C. J. Tagliabue Mfg. Co., Brooklyn, N. Y., booths 427-428,** is planning to display industrial instruments for indicating, controlling, and recording pressure level temperature flow and humidity. All of these instruments will be of the air-operative type. They are also arranging to show their new line of electrical instruments in the form of indicating, recording, and recording potentiometer.

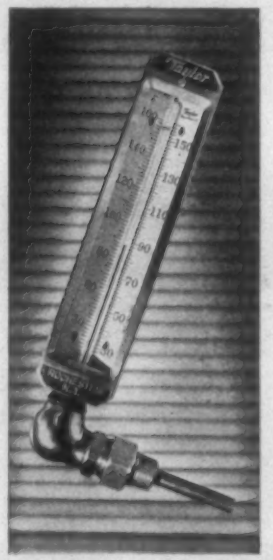
All of the above instruments are said to be applicable to process operations such as sizing, drying, bleaching, dyeing, and the various finishing operations.

Carl Endelin, W. C. Bennett and V. Wichum will be in attendance during the week of the exposition.

**W. O. & M. W. Talcott, Inc., Providence, R. I., booth 412,** plans to exhibit their regular Safety Belt Fasteners for leather belts which are mostly used in the textile field, and their fastener for rubber and textile belts.

M. W. Talcott and G. W. Little, who will have charge of the booth, will have joints made in the various kinds of textile belting, including the small 1" belts and also joints made in the heavy transmission and conveyor belts up to 24" and 48" wide.

**Taylor Instrument Cos., Rochester, N. Y., booths 446-447,** plans to exhibit a complete line of temperature and pressure instruments, including the Taylor system of slasher control.



Specially featured will be the Taylor Binoc tubing.

Representatives will be Frank S. Ward, manager textile sales; Howard M. Barker and H. E. Hansen, Atlanta office, and W. E. Gray, sales representative.

**The Terrell Machine Co., Charlotte, N. C., booth 101,** will exhibit the Type K Bobbin Stripper, Bobbin Box Hoist, Termaco Roving Bobbin Cleaner, Bobbin Conveyor, spools, card room bobbins, Denman Pickers, lug straps and hold-ups, Durant Productimeter Counters, and Economy Balers.

Representatives at the booth will be E. A. Terrell, W. S. Terrell, A. C.

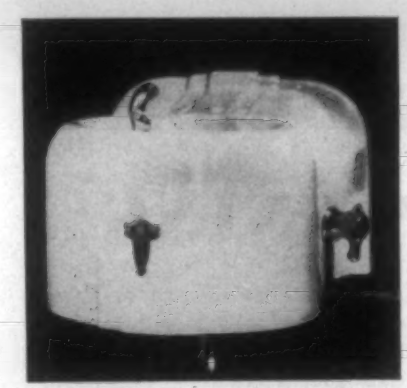
*(Continued on Page 43)*

# Exhibits at Textile Exposition

*(Continued from Page 42)*

Kimbirl, John J. Wilson, R. B. Smith, Irwin P. Graham.

**Temprite Products Corp., Detroit, Mich., booth 108½-A,** will show complete instantaneous multiple system installation, serving 3 or 4 wall and pedestal type fountains available



throughout the building to public for drinking purposes. Representatives are John Wyllie, Jr., J. B. McLaughlin, J. G. Goodwin, and J. W. Jennings.

**The Texas Co., Atlanta, Ga., booths 455-456,** exhibit will consist of a general line of petroleum products featuring textile lubricants and processing mediums.

Those in attendance will be: D. L. Sasser, New York, assistant territorial manager industrial sales division; F. C. Kerns, New York, lubricating representative domestic sales department; A. F. Brewer, mechanical engineer, New York; J. L. Draper, Boston, chief engineer; A. H. Bamman, Norfolk, chief engineer; W. P. Warner, Norfolk, engineer; H. L. Marlowe, Norfolk, engineer; C. N. Hanna, Norfolk, salesman; C. A. Brown, Norfolk, salesman; J. E. Buchanan, Norfolk, salesman; L. G. Hall, Norfolk, salesman; E. A. Harper, Atlanta, chief lubrication engineer; P. H. Baker, Atlanta, lubricating engineer.

**Textile Bulletin, Charlotte, N. C., booth 204.** Registration booth for mill men. Bulletins will be published at frequent intervals every day, carrying the names of those attending the show, and announcements of interest to exhibitors. Members of Textile Bulletin's staff in attendance will be David Clark, editor; Julius M. Smith, business manager; B. Ellis Royal, associate editor; Mrs. Ethel Thomas Dabbs, Ben C. Thomas, Mrs. J. M. Kerns.

**The Textile-Finishing Machinery Co., Providence, R. I., booth 114,** will show one pair Textile Electric Guiders on floor stands with latest type Rectifier Unit; latest type automatic cutting-off winders; 6-cylinder upright dryer containing many contrasting details in construction, illustrating the developments which have taken place in the last two years; photograph stand with full complement of illustrations featuring the complete line of Textile's Finishing Equipment.

Representatives at the show will be J. Cook and H. G. Mayer from the Southern office, and Wallace Taylor and A. H. Goff, from Providence, R. I.

**Textile Specialty Co., Greensboro, N. C., booth 477,** will show their line of "Truweave" Reeds and Combs. In addition to this they will show for the first time their "Truweave Rugged Ribbed" pitch band reed. They will also demonstrate their Gibbs Shuttle Truing Machine.

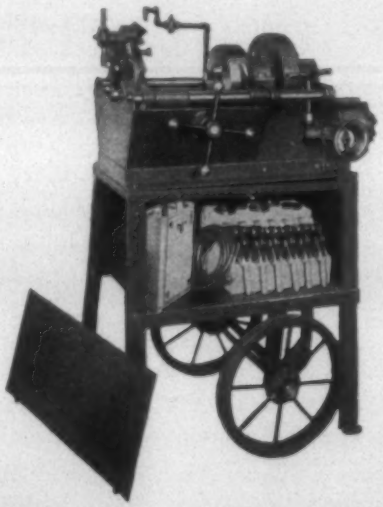
The booth will be in charge of L. C. Atkisson, F. A. Decker, and F. O. Gibbs.

**Textile World, New York City, booth 214.** Textile publishers.

**The Todd Co., Rochester, N. Y., booth 343,** will exhibit Protectograph Checkwriters and Check Signer equipment, checks, payroll sytem and Social Security Record-Keeping systems.

Their representatives will be H. D. Archer and E. C. Wood, from The Todd Sales Company, Charlotte.

**The Toledo Pipe Threading Machine Co., Toledo, Ohio, booth 479,** will have a display of Toledo hand tools, and



several Toledo power pipe machines. The Toledo No. 999 Super-Model ½" to 2" power pipe machine will be on exhibit.

The exhibit will be in charge of W. R. Vosper, assisted by Hugh Tiernan and Don Coleman.

**Toledo Scale Co., Toledo, Ohio, booth 461,** will exhibit new developments in Cotton-lap Scales, and their line of precision textile weighing equipment.

Those in attendance will be M. E. Holmes, manager, industrial sales, Toledo, Ohio; W. M. Randolph, Southern zone manager, Atlanta, Georgia; W. F. MacKinnon, district sales manager, Charlotte, North Carolina; Edgar B. Heape, divisional sales manager, Greenville, South Carolina; J. A. King, divisional sales manager, Charlotte, North Carolina; T. E. Stewart, divisional sales manager, Greensboro, North Carolina: R. S. Marshall, service supervision, Greenville, South Carolina; D. E. Armstrong, district service manager, Charlotte, North Carolina.

**Tolhurst Div., American Machine and Metals, Inc., Atlanta, Ga., booth 342,** will exhibit one 48" Tolhurst Motor Driven Model "36" Center Slung Textile Extractor complete with interlocking safety guard and automatic timer, and one 30" Tolhurst Motor Driven Solid Curb Textile Extractor complete with interlocking safety guard and automatic timer.

J. R. Angel will be their representative.

**U. S. Bobbin & Shuttle Co., Providence, R. I., booth 237,** plans to have a display of their bobbins, spools, and shuttles of all descriptions and for all purposes. There will be products specially made for the winding and weaving of cotton, rayon and silk. One of the features will be a display of US Jackson and Unit Tension shuttles. Also on exhibition will be the new flat winding bobbin and the wide shuttles required for this type of bobbin.

In attendance at the exposition will be the following members of the US organization: , K. Jordan, sales manager; A. D. Roper, general superintendent; E. R. Holt, North Carolina salesman; E. M. Ousley, South Carolina salesman; C. S. Jordan, Georgia salesman; Mr. T. A. Francis, vice president from Providence, Rhode Island, and G. H. Jordan, vice president from Monticello, Georgia, are also expected to visit the exposition.

**U. S. Gutta Percha Paint Co., Providence, R. I., booth 201,** will feature Interior and Outside Barreled Sunlight products which they recommend for all types of painting in textile mills and villages.

A special electric moving display will be accompanied by appropriate panels showing the standard shades of the various Barreled Sunlight products.

The booth will be in charge of their general sales agent, Alex S. West, who will also have with him J. S. and L. K. Palmer, William Moore, and William H. Patrick.

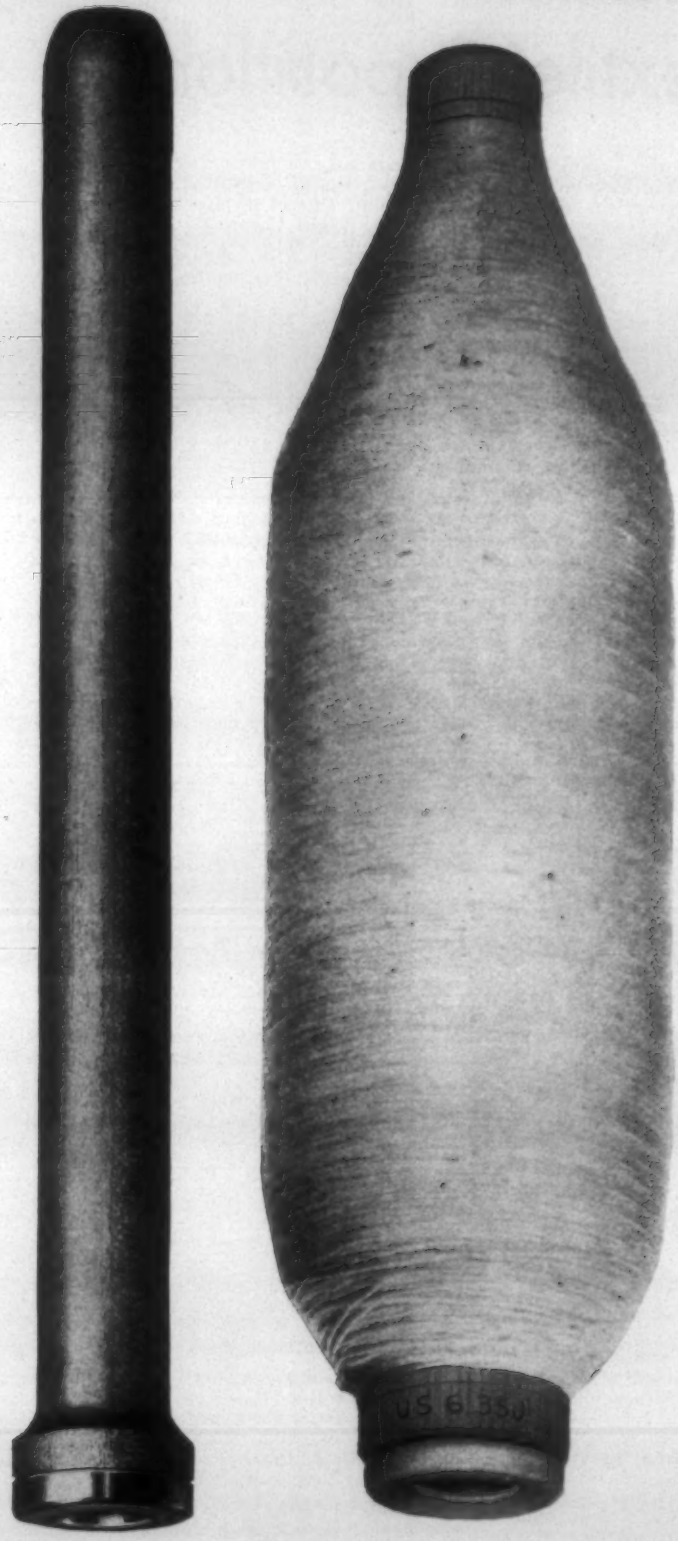
**U. S. Ring Traveler Co., Providence, R. I., booths 433-434,** will exhibit travelers. Their representatives will be W. P. Vaughan, Southern representative; O. B. Land, T. L. Maynard, and W. H. Rose, salesmen.

**Victor Ring Traveler Co., Providence, R. I., booth 250-B,** will show ring travelers. Representatives will be B. F. Barnes, Jr., and N. H. Thomas, Southern representatives; and E. R. Jerome and John E. Hull, Providence office.

**United States Steel Corp., Subsidiaries, Pittsburgh, Pa., booth 417,** will feature a presentation of the USS Stainless Steel as used in the textile industry for dye tanks and vats.

There will be displayed a range of Stainless Steel product samples. Also

*(Continued on Page 70)*



# LONG DRAFT SPINNING

IN the South the advantages of long draft spinning are well known . . . also the value of precision made U S Warp bobbins which have proved their worth to southern mills for many years.

Any warp bobbin is not good enough. It must be perfectly true to give you best results. We believe that these U S Warp bobbins made with full knowledge of southern conditions will meet your most exacting requirements.

*For samples of these and complete line of U S products see our display — Section 237 at Southern Textile Exposition.*

## U S BOBBIN & SHUTTLE CO.

**MONTICELLO, GEORGIA**

**Charlotte, N. C., Greenville, S. C., Johnson City, Tenn.**

BETTER BOBBINS • SPOOLS • CONES • SHUTTLES

# H & B Multiple Roving Frames Makes Debut

THE multiple-draft one process roving frame just announced by H & B Machine Company of Pawtuckett, Rhode Island, has features that may be of interest, not only to readers but also to those mill men who visit the Greenville Textile Show and inspect this new type roving frame. Its general outward appearance differs from the conventional, and its drafting and twisting are different. Cones and builder motion have been modified only to a small extent, although the differential motion is of new design.

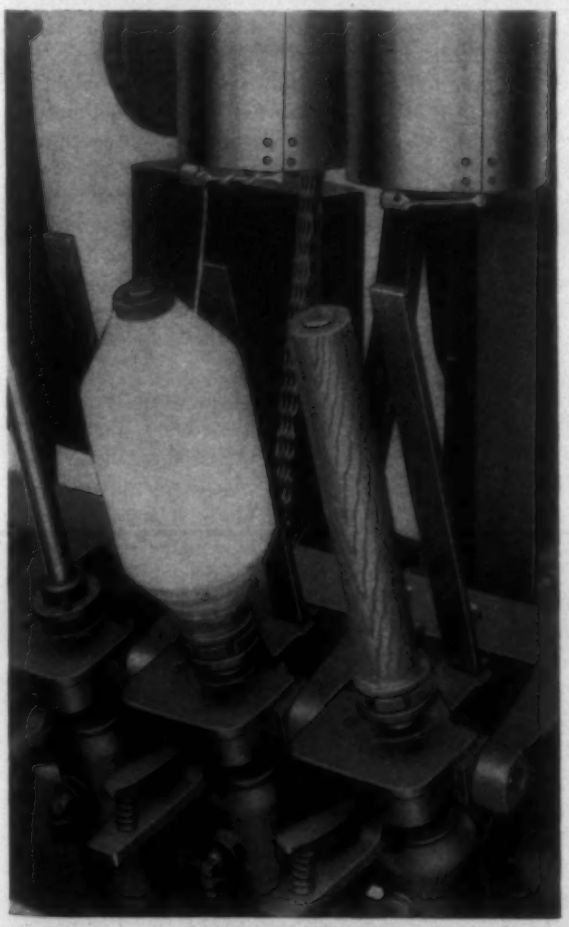
Gears are generated on a Fellows Gear Shaper and are all straight-cut internal gears, all bevel and internal gears having been eliminated. This new frame is said to be well balanced to withstand the higher speed at which it runs, and an efficient lubricating system for all moving and revolving parts has been adopted. The gearing end of the frame is of new design and contains practically the whole gearing mechanism of the machine.

The drafting arrangement should attract the attention of those who have an opportunity to inspect and view this new type roving frame. The mere fact that the drafting is done in a perpendicular direction instead of horizontally, is novel. The machine has a drafting range up to 100 inches.

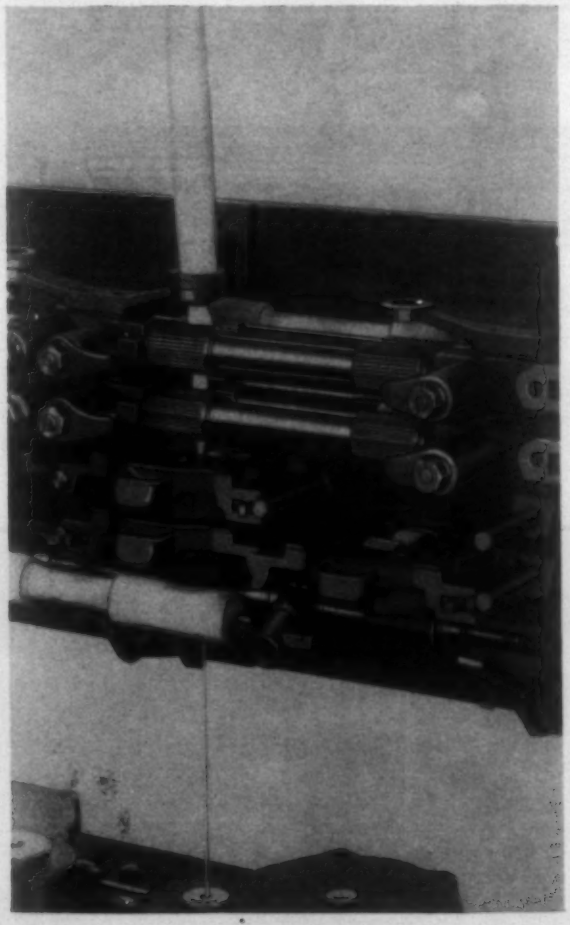
A feature that is largely responsible for the high drafting range is the fact that it slightly twists the loose strands of fibers during the drafting operation. This being a new method, a short description may be of general interest. As already stated above, the drafting is done perpendicularly, that is to say, the sliver enters on top of the drafting arrangement and is delivered on the bottom, contrary to the accepted method of horizontal drafting where the sliver enters in back and is delivered in front.

Therefore, the good old "top" rollers now become pressure rollers, and what used to be the front rollers become the bottom rollers, and likewise the back rollers are the top rollers on this new multiple-draft frame.

This new frame has only one line of resiliently-covered, weighted rollers, that is, the last line just before the rov-



Doffing Arrangement



Drafting Assembly

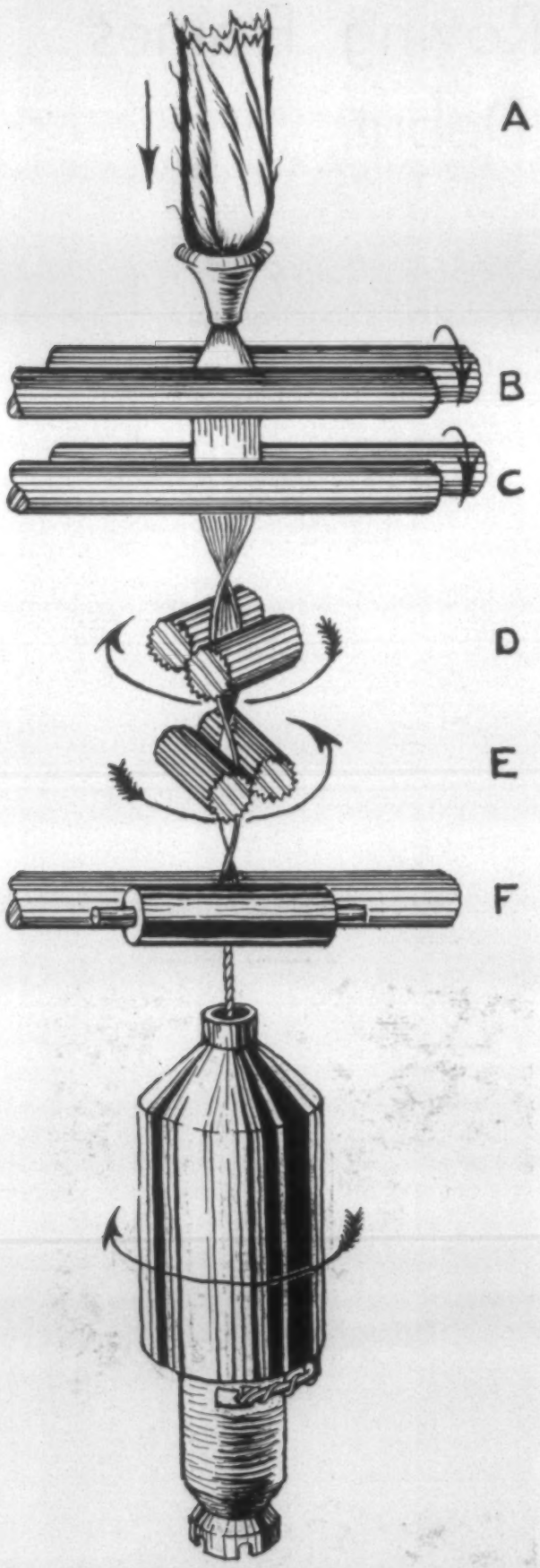



Diagram of Drafting Assembly

ing enters the flyer. All other drafting rollers are fluted metallic rolls.

Referring to the sketch herewith the sliver A enters at the top between two pairs of fluted metallic drafting rollers, B and C, to transform the round sliver into a flat strand suitable for drafting. The next pair of rollers D are also fluted metallic which draft in the usual manner, but whilst they draft, i.e., have a greater circumferential speed than the first roller, they also turn around themselves in a practically horizontal plane. This motion imparts a regular or "Z" twist into the flat strand of loose fibres and gives them a certain amount of body. This is the same procedure, in a somewhat modified form, on which the whole art of making yarn is based, as there would be no yarn if it were not for the twist, regardless of the raw material from which it is made. Naturally, this does not mean that an amount of twist is inserted comparable to a twist multiplier of 1.0 or 1.2 x square root of hank size, but just sufficient to hold the fibres together (found by over five years of research work.)

This slight twist has completely disappeared when the fibres leave the first revolving drafting unit, D, but they are at once fed into the second unit E. of the same type, revolving against a higher circumferential speed than the rollers of the first revolving drafting unit. At the same time they are also turning around themselves but in an opposite direction, thus imparting to the now again narrower strand of fibres a reverse or "S" twist. The amount of this twist is again slightly higher than between the first two pairs of rollers but during the attenuation of the fibres this twist has again disappeared as it leaves the rollers in the bottom and enters the last line. The fibres are now fed into the only pair of what might be called regular drafting rollers, F, viz., a fluted bottom roller and resiliently covered top roll, with the exception that the top roll is not on the top but in front of the bottom roller. This last line of rollers is not turning around itself as do the two revolving drafting units, but turns and acts like a regular front roller. As the head ends of the fibres are held straight by this line of rollers, whereas the tail ends are twisted, a regular or "Z" twist is again inserted whilst these fibres are subjected to the final draft.

The eye of the flyer is directly below this last line of drafting rollers and the twist for the roving created now by the flyer runs right into the bite of the rollers.

The flyer itself is also of novel design in that the customary legs are abolished and replaced by a cylindrical shell. Flyer legs, at higher than customary speeds, have a tendency to spread and create considerable air currents. Practically speaking, this new type flyer, therefore, cuts a hole in the surrounding air and protects the cotton fibres on the bobbin from stray air currents.

The presser finger is of regular design so that the piecing-up is done in practically the same way as heretofore.

The flyer is no longer driven by means of a spindle from the bottom (in fact, this new frame has no spindle at all) but a suitable driving gear is directly on top of the flyer.

Therefore in piecing-up or doffing, the flyer is not removed but remains in its position between a double row

of ball bearings, while the bobbin itself is dropped down out of the flyer shell.

This dropping of the bobbin rail is accomplished in one motion by the pressing of a lever comparable to the hand brake of a motor car with another lever and by a second motion, the bobbins are tilted forward so that they stand at a 30 degree angle. This position is said to facilitate considerably the removal of the full bobbins and replacement of the empty ones. In order to give always the same amount of slack for the piecing-up, a mechanical jacking motion has been arranged.

As the range of drafting is so wide, i.e., up to 100 inches per 1 inch of sliver fed in, it is natural that a great variety of hank sizes can be made. However, as finer hank sizes of roving might be thrown out of the presser arm slot, at flyer speeds of 2000 r.p.m. and above a special locking arrangement was designed for the presser tube.

The combination of all these features is said to make possible a roving frame running at practically double the speed of the old style frame and drafting a 60-grain sliver, either carded or combed stock, in one operation up to 14.00 hank by easy stages of seldom more than 3.5 inches between any two sets of the drafting rollers.

## Burlington Mills Corp. to Make Public Stock Offering

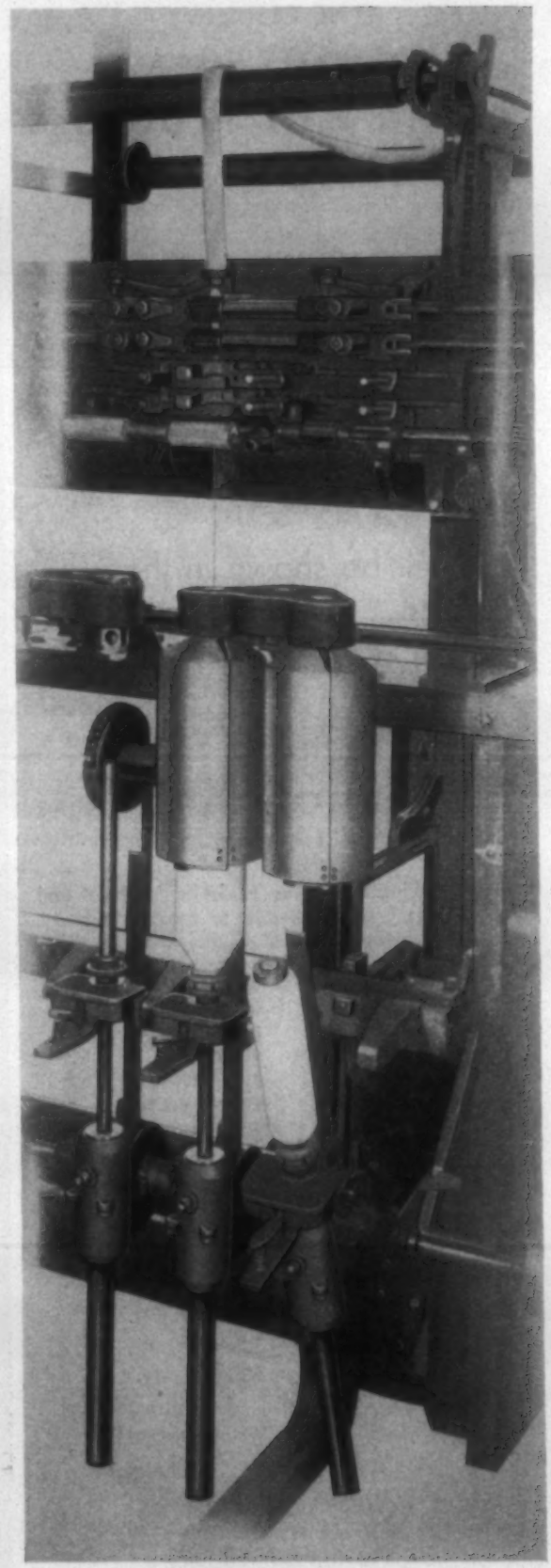
The Burlington Mills Corporation has filed a registration statement with the Securities and Exchange Commission in connection with a proposed public offering of 198,800 shares of common stock.

Burlington Mills Corporation, a Delaware Corporation, was incorporated on February 15, 1937, taking over the assets of Burlington Mills Co., Inc., and subsidiary and affiliated mills, whose plants are located in North Carolina, Virginia and Tennessee. The selling and factoring functions are performed through a wholly controlled subsidiary, the Burlington Corporation, incorporated under the laws of the State of New York in April, 1935, whose offices are located at 450 Seventh avenue and 271 Church Street.

The proposed offering is the first public offering of the company and Lehman Bros. is named as the principal underwriter. Burlington Mills Corporation capitalization consists only of common stock, of which 600,000 shares has been authorized, and of which 350,000 are presently outstanding. The proposed public offering, when consummated, would mean that there would be approximately 550,000 shares of common stock outstanding. Details with respect to the public offering price per share are to be supplied later, according to the registration statement.

## Hungary to Adopt Forty Eight Hour Week

Reports from Hungary state that a decree is to be published shortly which will prescribe in principle a maximum working week of forty-eight hours in the textile industry. Minimum wage rates will also be brought into force for both male and female textile operatives.



Complete Assembly

THE RESULTS
OF NEARLY HALF A
Century of Progress
in the manufacture of




will be shown in the
Bondaron
Exhibit

Section 448
AT THE SOUTHERN TEXTILE EXPOSITION

If you're looking for a way to SAVE MONEY and REDUCE SHUT-DOWNS due to broken leathers, don't fail to investigate our display of—

ORIGINAL and GENUINE "The Leather with the Hair on" Bondaron REG. U.S. PAT. OFF.

CHECK STRAPS
HARNESS STRAPS
PICKERS
BUMPERS
BUNTERS
ROUND BELTING
FLAT BELTING, ETC.

THEY LAST *2 to 5 times* LONGER!

*Manufactured Exclusively by*
CHARLES Bond COMPANY
617 Arch Street Philadelphia, Pa.

*Manufacturers of Textile Leathers for Nearly Half a Century*

## Anderson States Cottons Are Still Below New Costs

Declaring that the current prices of cotton textiles "do not yet reflect the advances in the cost of raw material, the increases that are taking place in the cost of production, and the influence of inflationary forces that are at work throughout this nation and the whole world," Wm. D. Anderson, of the Bibb Mfg. Co., Macon, Ga., offers the opinion that "cotton goods will move on up to higher levels."

Mr. Anderson sets forth his latest views about the cotton and cloth markets in one of his periodic letters to customers.

Although expecting cloth prices to reach new highs, he is not at this time "particularly bullish as to the future price of cotton." He continues to urge customers to maintain good inventories, stating as "another reason" for this advice "that our industry is being threatened by labor difficulties and the production of cotton textiles may be interrupted."

"The forces threatening the textile industry," he goes on to say, "have succeeded in causing interruptions in production in other industries and, according to the news stories of the past few days, they are promising an attempt to disrupt the very happy relations which exist today between the textile workers and their employers."

With regard to raw cotton price prospects, Mr. Anderson believes that "cotton has gone high enough."

"I should hesitate to follow the advance any further," he continues, "until we can take a look at the figures on acreage planted over the world and see something more of the prospects for the new crop.

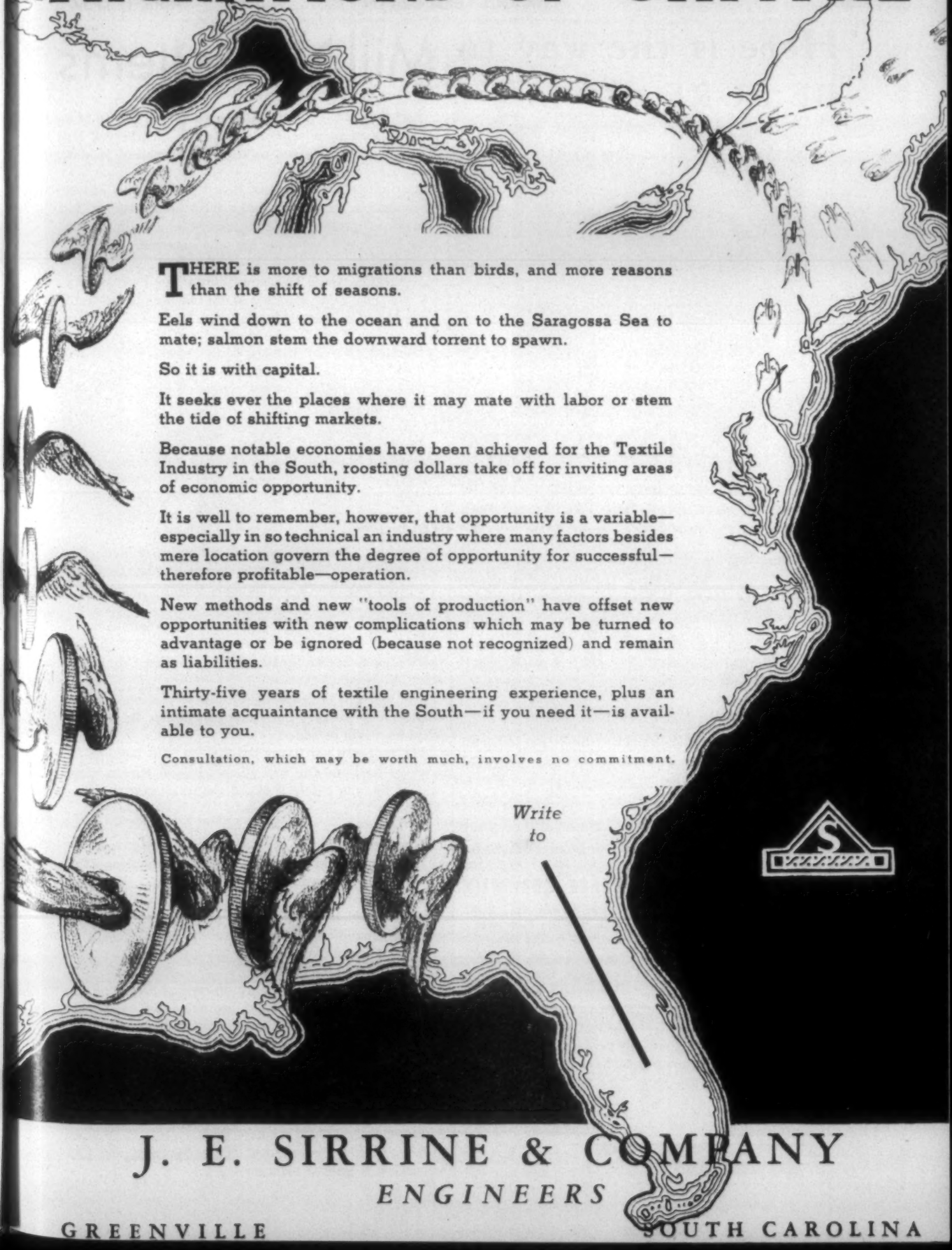
"While I venture this statement, we should all be prepared for violent fluctuations in the market, based on crop sources or as a result of anything that may happen to definitely disarrange mill operating schedules and, therefore, the consumption of cotton in the mills of this country and abroad. The market is in a sensitive state and will respond readily to influences, favorable or unfavorable. Nor must we overlook the influence of inflation, as this factor catches a firmer hold in our economy.

"I realize full well the risk of sounding a note of warning in a market like this and, while my convictions incline me to caution in anticipating further advances at this time in the cotton market, I would not have any one to understand that I am at all disturbed over market conditions. We are having a wonderful improvement in the textile business all over the world, due to the fact that, as has been previously pointed out, the people of the world have been starving for goods."

## Douglas Joins Brown Instrument

Davis Douglas, formerly of Rome, Ga., where he was connected with the Tubize Chatillon Corp., has become Southern representative of the Brown Instrument Co., of Philadelphia, Pa., manufacturers of regulators and temperature control instruments. Before coming to Rome, Mr. Douglas was associated with the former Loray, N. C., plant of the Manville-Jenckes Corp.

# MIGRATIONS OF CAPITAL



THERE is more to migrations than birds, and more reasons than the shift of seasons.

Eels wind down to the ocean and on to the Saragossa Sea to mate; salmon stem the downward torrent to spawn.

So it is with capital.

It seeks ever the places where it may mate with labor or stem the tide of shifting markets.

Because notable economies have been achieved for the Textile Industry in the South, roosting dollars take off for inviting areas of economic opportunity.

It is well to remember, however, that opportunity is a variable—especially in so technical an industry where many factors besides mere location govern the degree of opportunity for successful—therefore profitable—operation.

New methods and new "tools of production" have offset new opportunities with new complications which may be turned to advantage or be ignored (because not recognized) and remain as liabilities.

Thirty-five years of textile engineering experience, plus an intimate acquaintance with the South—if you need it—is available to you.

Consultation, which may be worth much, involves no commitment.

*Write to*

J. E. SIRRINE & COMPANY

*ENGINEERS*

GREENVILLE SOUTH CAROLINA

"Here is the way to BE SURE of—



CLEAN, SMOOTH TIES

● Most mill men know from experience that the use of smooth, clean Acme Bale Ties assures neat, good-looking bales.

Acme Steelstrap is widely used by the textile industry for the safer, more economical shipment of cartons, bundles and wooden and corrugated boxes. Loss from pilferage is eliminated. Costs are lowered. And shipments are made faster.



BE SURE—mail the coupon today for your free copy of "My Second Strap-Book." It gives many suggestions that may save time and money for you." Doc. Steelstrap

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Atlanta, Ga.—603 Stewart Ave., S. W.
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ACME STEEL COMPANY, 2827 Archer Ave., Chicago, Ill.
☐ Please send me my copy of "My Second Strap-Book."
☐ Without any obligation, please have Doc. Steelstrap make a diagnosis for us.

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*Address*_____

*City*_____ *State*_____

# Mill News Items

LANETT, ALA.—Construction work will be started at an early date on an addition to the Lanett Bleachery & Dye Works cloth warehouse, to cost approximately $65,000.

ASHVILLE, N. C.—French Board Cotton Mills will begin operation as soon as looms have been installed, but delay in shipment of the machinery from a dismantled New York plant has made the date uncertain.

REYNOLDS, GA.—Two new Whitin One-Process Pickers have just been installed at the Taylors Mills of the Bibb Mfg. Co., Reynolds, Ga.

Durham (N. C.) Hosiery Mills reports net profit of $70,942 for 1936, after depreciation, interest, inventory markdown and other charges, compared with a net loss of $76,093 in 1935.

LEAKSVILLE, N. C.—Luther H. Hodges, production manager of Marshall Field & Co., has announced that the company's velour and plush mill, recently closed in Philadelphia after a strike, will not be reopened there and that manufacturering operations will be transferred to Leaksville. The company will install thirteen broadlooms for weaving plush and velours at an early date. The equipment will be housed in space at the Leaksville bedspread mill, which was formerly used for storage.

ANNISTON, ALA.—The purchase and contemplated reopening of the Anniston Yarn Mill, closed for the last year, is made known by Broadalbin Knitting Co., Broadalbin, N. Y.

The mill will be reopened as soon as possible and will employ 100 workers until new machinery is installed, when more will be added.

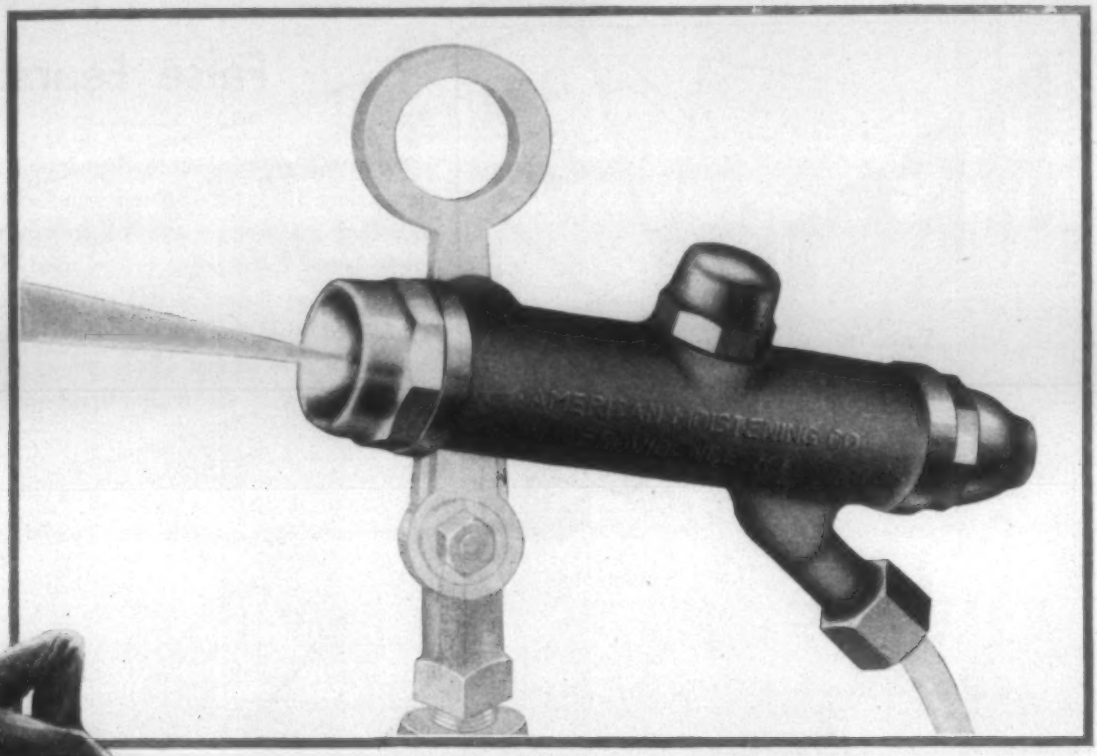
The property purchased includes the mill building, 15 acres of land and the mill village. Peyton Rowan, manager of the mill before it closed last year, is expected to be manager for the new owners.

SCOTTSBORO, ALA.—At the Alabama Bedspread Co., an additional building is now under construction. This building will be used for a storage division. This company is housed in a big one-story building, and due to the growing business has found it necessary to erect this additional building.

This company handles on an average of 7,000 spreads weekly. The spreads are taken out and worked in the homes all over Jackson county, as well as Dekalb, Guntersville and Madison. There are two types of spreads, the tufted and the punch work, done at the plant. The tufted type is more in demand. For each type of spread, there are more than 100 patterns used, Mrs. J. W. Gay, Jr., is the designer.

Over 60 workers are employed at the plant inspecting, doing the punch work and in the regular office routine. A day and night shift are kept busy.

J. W. Gay, Jr., is president of the company, and Emerson Gay is general manager.






# MANUAL CLEANING LABOR *Eliminated* WITH AMCO No. 4!

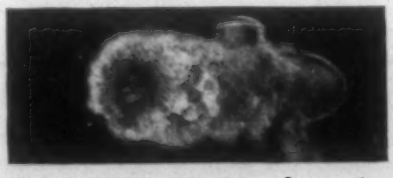
Non-productive labor to clean humidifiers can be eliminated by installing Amco No. 4 Self-Cleaning Atomizers. *Both* air and water orifices are *automatically* cleaned whenever the air supply is shut off. The smooth concave surface around the nozzle is kept clean of lint and fly by streamlined currents of induced air. The Amco No. 4 Atomizer is *always clean;* top efficiency is maintained; cleaning labor is eliminated.

On newly installed humidifying systems or to improve present equipment, use Amco No. 4 Self-Cleaning Atomizers for low cost operation and maintenance. The neatness, the compactness, the ingenious operation of the Amco No. 4 Self-Cleaning Atomizer is not matched by any other atomizer. An Amco engineer will be glad to show it to you and to explain its operation. Write today. American Moistening Company, Providence, R. I. . . . Boston . . . Atlanta . . . Charlotte.

## CONSIDER THESE POINTS

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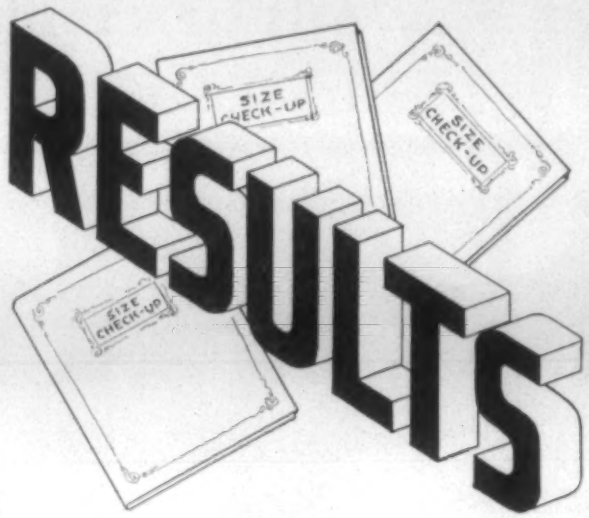
Better Spray
No Waste of Power
Improved Construction
Automatically Self-Cleaning
(both air and water nozzles)
No Drip — No Feathering Down
Maintains Full Capacity Delivery
Eliminates Manual Cleaning Labor



Under conditions like these, Automatic Self-Cleaning means a lot!

# AMCO HUMIDIFICATION

TAKE YOUR HUMIDIFICATION JOB TO THE HUMIDIFICATION SPECIALIST




# prove

## *Houghton's Warp Sizing Products*

**Increased production and greater weave-room profits are largely dependent upon the correct size and sizing methods.**

**Greater breaking strength...fewer loom stops . . . less operator fatigue—have been the actual results obtained in mills from Maine to Texas using Houghton's Warp Sizing Products.**

**Use them . . . notice the substantially higher weave-room efficiencies and lower slashing costs, and you too will commend them.**

**Let our Textile Research Staff check the efficiency of your sizing formulae and procedures by means of the Houghton Warp Size Check-Up Test.**

*Houghton Textile Products*

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|---|---|
| Warp Sizes | VIM TRED Leather Belting |
| Silk Soaking Oils | VIM Textile Leathers |
| Stock Lubricants | STA-PUT Lubricants |

*See them at Booth 132 in Greenville*

**E. F. HOUGHTON & CO.**

240 W. SOMERSET STREET

*Charlotte* PHILADELPHIA *Chicago*

# False Fears

We have been schooled by the administration in Washington since 1933, by economists and statisticians in general, that prosperity could not return to our country unless better commodity prices were received by the farmer. Every means to this end was taken: the dollar depreciated, gold impounded, crops controlled, general supervision over capital, cheap money, etc, etc. Oddly enough, now that the results are being obtained, Fear is again expressed.

We know what occasioned the fear in 1933. We can look back and analyze the cause with clearness: Unemployment; lack of sufficient industry to cover fixed charges; railroads demoralized; poor crop prices plus large surpluses made it look as if we never could surmount the difficulties we were in. However, we did surmount them. Surplus crops—wheat, cotton, etc.—no longer exist; unemployment has been reduced considerably; railroads are again showing profits. In consequence, we have a corresponding improvement in security values.

Now we are told we have the reverse of the fear of 1933. The new fear is that things are too good. President Roosevelt stated in 1933: "The only thing we have to fear it fear itself." This holds as true today, with the immediate prosperity and favorable outlook, as it did in 1933 when the reverse condition obtained.

It is difficult to write history in an age of which you are a part. Time alone records history. This has been so in years numbered by thousands. We all know we are in a new age, with new conditions, the prime object of which is a better distribution of wealth. It may be better so. But all this does not destroy values. This should not warrant the fear that is expressed today. We have been through a sad depression, but we have emerged with reasonable success.

Surplus crops and excessive inventories have vanished. Industries are again in the "black", and while taxes and labor will take a greater percentage of profits, the fact remains that companies are solvent, earning money and paying dividends.

As long as easy money obtains, the tendency will be towards advancing business and higher prices. It will be found just as difficult to talk a prosperous period down as it was to talk a depression period up. There is nothing in the present price level to warrant a major reaction. Irrespective of war scares, commodities and securities are low in terms of gold. Capital has not entered the securities market to an alarming extent, although recent bond financing has included conversion features to obtain a lower interest rate.

We believe that the present reaction is of a corrective nature, and that the next important movement will be towards higher levels.

*—From letter of J. S. Bache & Co.*

# ON COURT OR CRUISE IN TOWN OR COUNTRY ... *Enka Rayon*



Whether for sports wear, as this culotte of Floriana, Enka Rayon Jersey; or a sophisticated urban costume in Tric-O-Tay, novelty crepe with pattern of tiny uneven waves; many of the loveliest of the new fabrics are made of Enka Rayon to obtain maximum adaptability and quality.

AMERICAN ENKA RAYON

AMERICAN ENKA CORPORATION • 271 Church Street, New York • Greensboro, N. C. • Providence, R. I.

*An Invitation*

TO VISIT THE

*Singer Booth*

*No. 232*

**SOUTHERN TEXTILE EXPOSITION**

GREENVILLE, S. C.

APRIL 5-10, 1937

•

There we will present an interesting demonstration of new equipment designed for cotton mills, bleacheries and general manufacturing trades

•

*Singer Sewing Machine Co.*

MANUFACTURING TRADE DEPARTMENT

## BASKETBALL CHAMPIONS

During the recent Basketball Season, Simpsonville High School girls won sixteen games, lost three, and tied one.

Three members of the team, shown herewith, are members of families in the village of the Woodside Cotton Mill of Simpsonville, S. C. Reading from top to bottom they are: Helen Calvert, Ruth Thackston and Katherine Thackston.

They are remarkably pretty and attractive girls and as their record shows, are expert basketball players.

The town of Simpsonville is to be congratulated upon such a team and such girls and the textile industry of the South shares in their pride.

The record of the district tournament played at Central is as follows:

| | |
|---|---|
| Simpsonville | 72 |
| Westminister | 8 |
| Simpsonville | 62 |
| Seneca | 8 |
| Simpsonville | 42 |
| Central | 12 |
| Simpsonville | 27 |
| Piedmont | 20 |

Record of the State tournament played at Orangeburg:

| | |
|---|---|
| Simpsonville | 16 |
| Ninety Six | 13 |
| Simpsonville | 43 |
| Elloree | 27 |
| Simpsonville | 27 |
| Latta | 25 |



# WANTED TOUGH PROBLEMS FOR AIR IN THE TEXTILE INDUSTRY



**Business is on the up trend** and production efficiency is becoming more and more important in the textile industry. This large mill maintains even temperatures through winter months with American Blower Venturafin unit heaters that force heated air into working areas.



**American Blower Fans speed up production** during the warmer months in a large southern mill by removing excessive heat and bad air as fast as they originate. Arrows indicate location of units. Right — American H. S. Fan.



**For over 50 years** American Blower engineers have served as air technicians to industry. Have you a tough problem for air? If so, call in the nearest American Blower engineer or visit the American Blower booth (No. 119) at the Southern Textile Exposition, for complete data on all the latest and most modern equipment for heating, ventilating, cooling, exhausting and air conditioning.



## AMERICAN BLOWER CORPORATION

*Division of American Radiator and Standard Sanitary Corporation*

6000 RUSSELL STREET • DETROIT, MICHIGAN

# Personal News

T. F. Blume is now with the Highland Park Mfg. Co., of Rock Hill, S. C., in the capacity of overseer.

J. McD. Moore, formerly superintendent of the Laurens, (S. C.) Cotton Mills, has been elected secretary and treasurer of the Dacotah Cotton Mills, Lexington,

E. M. Standridge, textile operative of the Anderson Cotton Mills, suffered the loss of two middle fingers of his right hand when the members became entangled in a machine at which he was working.

Robert Edward Lee Holt, Jr., of Greensboro and Burlington, assistant purchasing agent of the Burlington Mills, and Miss Frances Louise Garner will be married in June.

Albert F. Garrou, general manager of the Waldensian Hosiery Mills and of the Pilot Full Fashioned Hosiery Mills, has been elected president of the Valdese, N. C., chamber of commerce.

S. H. Jordan has resigned his position with Chadwick-Hoskins Co. Charlotte mill no. 2, and has accepted a position with Winona Mills No. 1 and 2, Lexington, N. C., as General Overseer of weaving and slashing.

W. J. Buckner has resigned as second hand in the card room at Stonewall Cotton Mills, Stonewall, Miss., to accept a similar position at the Chadwick-Hoskins Plant No. 5, Pineville, N. C.

DARY TRAVELERS

If it's a DARY Ring Traveler, you can depend on it that the high quality is guaranteed—that the weight and circle is always correct, and that all are uniformly tempered which insures even running spinning or twisting.

Ask for Prices

DARY RING TRAVELER COMPANY

311 Somerset Ave. Fred H. Dary, Mgr. Taunton, Mass.

Sou. Agents

JOHN E. HUMPHRIES
P. O. Box 343
Greenville, S. C.

CHAS. L. ASHLEY
P. O. Box 720
Atlanta, Ga.

CLINTON STARCHES

FOR ALL TEXTILE PURPOSES

Manufactured by

Clinton Company

CLINTON, IOWA

QUALITY SERVICE

C. L. Chandler of Gaffney, S. C., has been elected president of the Dacotah Cotton Mills, Lexington, N. C. Mr. Chandler is vice-president of the Jackson Mills, Welford, S. C.

Charles Bossong is the newly elected president of the Asheboro Chamber of Commerce. He is president of the Bossong Hosiery Mill. Charles W. McCrary, secretary and superintendent of the McCrary Hosiery Mills, is the retiring president.

R. R. Ragan has been elected president of the Ragan Knitting Co., of Thomasville, N. C., succeeding his late brother, A. H. Ragan, whose death occurred last fall.

Mr. Ragan, who is president of the Thomas Hosiery Mills at High Point, has other business interests which require the greater part of his time, so that active direction of the business continues much as it was during the extended illness of its founder.

C. A. Peterman, who has represented the Islin-Jefferson Co., in Atlanta for the past four years, has joined the sales organization of Mill Associates, Inc., for which he will cover the entire Southern territory. He will be located in the Walton Building, Atlanta.

T. L. Richie has been appointed to the southern staff of Victor Ring Traveler Co. representatives to maintain Victor service for those mills formerly called upon by Dick Mason, who has resigned.



Born in Cowpens, S. C., in 1912, T. L. Richie is the son of A. P. Richie, superintendent of the Dixon Mills, Inc., in Gastonia. The family moved to Gastonia in his early childhood, and he graduated from the grammar and high schools of that city. He completed his academic training at the North Carolina State College of A. and E., graduating from the Textile School.

While in school he worked summers in the Trenton Cotton Mills, Gastonia, N. C., running a section, and later in the carding and weaving rooms. After graduating from college he entered the employ of the Burlington Mills, Greensboro, N. C., where he remained a year and a half. He then returned to the University to become instructior of spinning, twisting, warping, spooling, and winding.

## Japan-Burma Pact On Cotton Reported

Tokyo, Japan—A foreign office spokesman today said that Japanese and Burmese representatives at Delhi, India, had reached an understanding regarding cotton and expected to sign an accord later at London.

Under the terms, he said, Japan is to purchase 65 per cent of Burma's raw cotton available for export; and Burma is to purchase 42 million yards of Japanese cotton textiles a year. If Japan reduces her purchases, however, Burma may do likewise.

# 17,000,000 POUNDS OF DYEING IN 1936

A VIEW OF OUR PHILADELPHIA DYE HOUSE



## THE REWARDS OF SPECIALIZATION

The combined production of our five yarn dyeing plants in 1936 was over 17,000,000 lbs., — the largest in the history of our business. We like to feel that this unprecedented volume was the textile industry's reward to us for specializing on one job (package dyeing) and for doing this one job exceptionally well.

★ But the rewards have not been for us alone. Our customers have also received important benefits in the form of improved quality, better service and over a period of years lower prices on some classes of work where conditions have made them possible. ★ Are YOU enjoying the benefits of Franklin Process Specialization? If not may we figure on your yarn dyeing or colored yarn requirements?

**Franklin Process**

**SPECIALISTS IN PACKAGE DYEING SINCE 1910**

*Colored Yarns Glazed Yarns Custom Yarn Dyeing Dyeing and Processing Machines*

PROVIDENCE • PHILADELPHIA • GREENVILLE • CHATTANOOGA • CHICAGO • N. Y. REPRESENTATIVE, 40 WORTH ST.

TEXTILE BULLETIN

Member of
Audit Bureau of Circulations and Associated Business Papers, Inc.

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CLARK PUBLISHING COMPANY

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Junius M. Smith - Vice-President and Business Manager
B. Ellis Royal - - - - - - Associate Editor

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Contributions on subjects pertaining to cotton, its manufacture and distribution, are requested. Contributed articles do not necessarily reflect the opinion of the publishers. Items pertaining to new mills, extensions, etc., are solicited.

## Another Textile Exposition

We join the textile and business interests of Greenville, in extending a welcome to all visitors, especially those from New England, to the twelfth Southern Textile Exposition.

These Textile Expositions have now become a feature in the life of the textile industry of the South and no sooner does one close than eyes and thoughts are turned toward the next one, of two years hence.

From the beginning the citizens of Greenville and especially those connected with textile machinery and supplies, have done remarkably fine work in looking after the details and in giving satisfactory attention to visitors.

Exhibitors at all of these Southern Textile Expositions have been much gratified at the attendance of mill men, and it is certainly true that Southern mill men go to the Exposition in large numbers and that they go for the purpose of studying the exhibits and of learning about new and improved equipment.

It is freely predicted that the 1937 Exposition will witness an even larger attendance of mill men than in former years.

The Textile Bulletin has Booth 204, which is located upon the right hand side of the Second Floor, only a short distance from the top of the stairs.

Those of our staff who will be in attendance at our booth are David Clark, President and Editor; Junius M. Smith, Vice-President and Business Manager; F. R. Carey, New England Representative; Mrs. Ethel Thomas Dabbs (Aunt Becky), and Ben C. Thomas, traveling representatives. B. Ellis Royal, associate editor, will be present on Friday and Saturday.

The mill men who attend, will register at our booth and we will, as at all former Expositions, issue several bulletins each day, giving the names and addresses of those who appear.

This service has in the past been of much benefit to those in charge of exhibits, as it often assists them in contacting prospecive customers.

We invite exhibitors and visitors to make use of the booth of the Textile Bulletin and will take pleasure in rendering every possible service.

## A Governor States His Position

Gov. Clyde Hoey, of North Carolina, reviewed the acts of the recent meeting of the Legislature but turned from his subject long enough to state his attitude towards sit-down strikers.

Gov. Hoey said:

"I wish to express the hope that any difference between the employers and employees in this state will be peacefully adjusted and that any serious disruption of business conditions or of the relationship existing between all of our people will be averted.

"It might not be amiss to restate the rights and obligations of all classes of our citizenship. Under the law, labor has a right to bargain collectively, to petition, to strike if it so elects, to picket peacefully. Labor likewise has the right to bargain individually, the right to work and the right not to be interfered with in that right to work.

"The right to quit work and the right to work are both sacred and every citizen has the right to exercise his choice without fear, without intimidation.

"Sit-down strikes are unlawful and cannot be tolerated in North Carolina. We are a people believing in law and order, and no man or set of men has the right to take charge of the property of others and hold it adversely against the will of the owner. Men would have no more right to sit down in a mill and refuse to vacate than an employer would have to go into a labor union hall and refuse to let the unionists hold a meeting.

"I call on all the people of North Carolina to obey the law and have mutual respect for the rights of each other and to realize that this commonwealth has been and must remain one of law and order. We must work out our problems in peace, in justice, and in righteousness, and these problems can never be solved in strife, disorder, and violence . . .

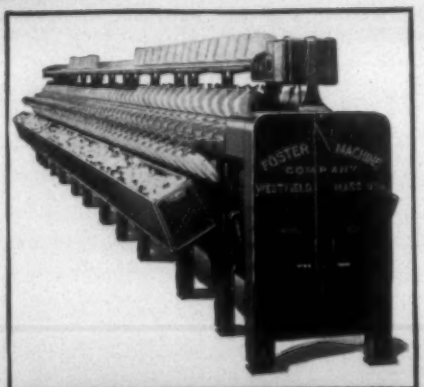
"I pledge the whole power of the state in cooperation with the interested parties in undertaking to aid in the solution of their problems upon a basis of justice and fairness, and I likewise pledge the power of North Caroline to enforce the law and to maintain order and protect the rights of all the people of this state."

The position taken by Gov. Hoey is sound and is in accord with the best thought of honest men.



## UNIFORM CONES MAKE FOR UNIFORM KNITTING

Uniform winding speed (no matter what the diameter of the cone), accurate pressure and tension control and correct lay of yarn are mechanical features that make uniform cones on the Foster Model 102. Furthermore, these cones are free from ribbon wind which is so destructive of yarn,—a feature of great importance to knitters.



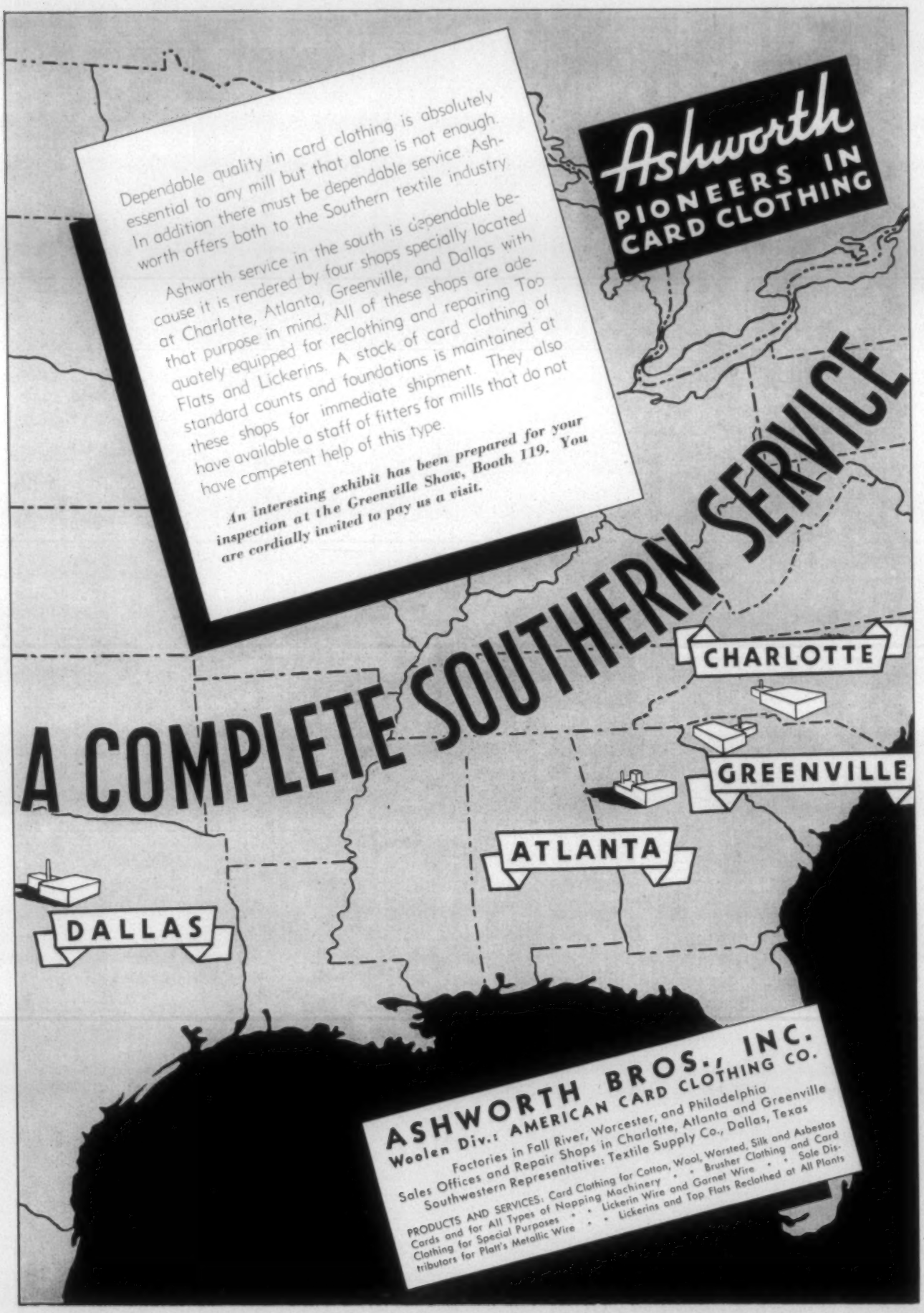

**FOSTER**
**MODEL 102**

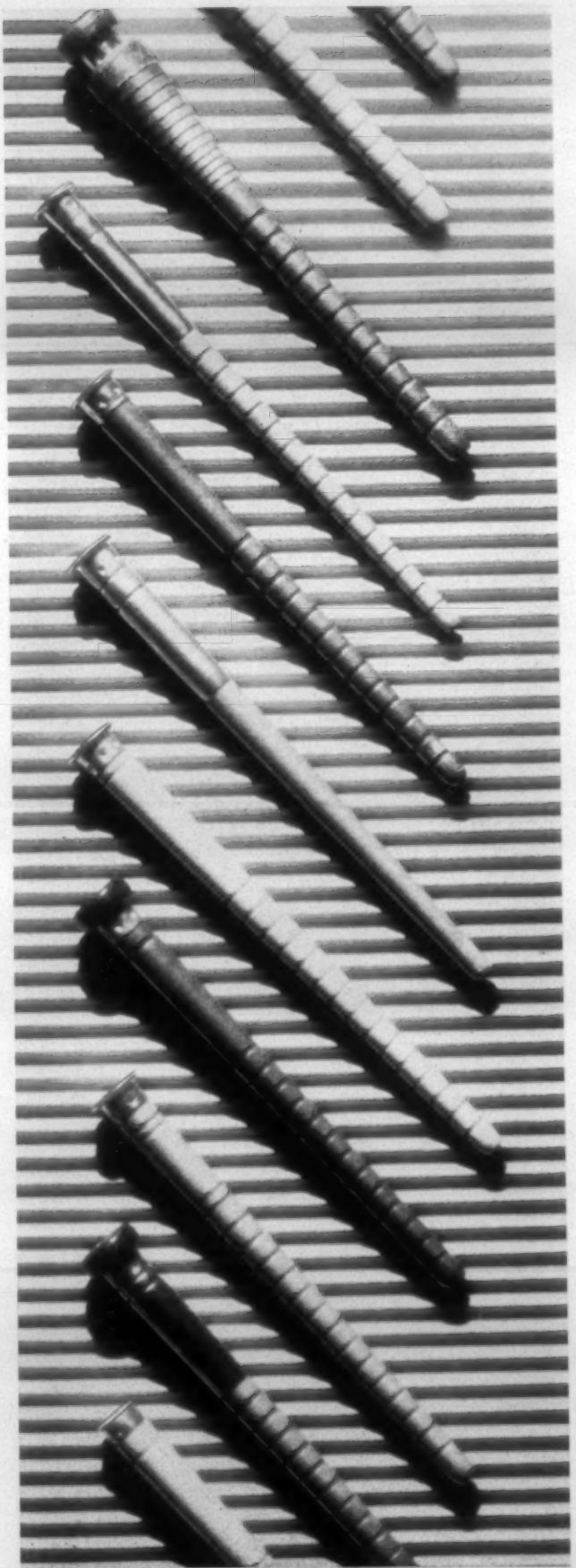
Consider also that this new model will increase production 100 percent and decrease labor cost about 1-3 as compared with older types of winders and it is easy to see why Foster Winding is STANDARD FOR THE KNITTING TRADE.

***This machine will be on display at the Greenville Show, Booths 229, 230 and 231. You are cordially invited to pay us a visit.***

**FOSTER MACHINE COMPANY**
**Westfield, Mass.**

*Standard for the Knitting Trade*


Ashworth
PIONEERS IN CARD CLOTHING
Dependable quality in card clothing is absolutely essential to any mill but that alone is not enough. In addition there must be dependable service. Ashworth offers both to the Southern textile industry.
Ashworth service in the south is dependable because it is rendered by four shops specially located at Charlotte, Atlanta, Greenville, and Dallas with that purpose in mind. All of these shops are adequately equipped for reclothing and repairing Top Flats and Lickerins. A stock of card clothing of standard counts and foundations is maintained at these shops for immediate shipment. They also have available a staff of fitters for mills that do not have competent help of this type.
An interesting exhibit has been prepared for your inspection at the Greenville Show, Booth 119. You are cordially invited to pay us a visit.
A COMPLETE SOUTHERN SERVICE
CHARLOTTE
GREENVILLE
ATLANTA
DALLAS
ASHWORTH BROS., INC.
Woolen Div.: AMERICAN CARD CLOTHING CO.
Factories in Fall River, Worcester, and Philadelphia
Sales Offices and Repair Shops in Charlotte, Atlanta and Greenville
Southwestern Representative: Textile Supply Co., Dallas, Texas
PRODUCTS AND SERVICES: Card Clothing for Cotton, Wool, Worsted, Silk and Asbestos Cards and for All Types of Napping Machinery • • Brusher Clothing and Card Clothing for Special Purposes • • Lickerin Wire and Garnet Wire • • Sole Distributors for Platt's Metallic Wire • • Lickerins and Top Flats Reclothed at All Plants



# FOR BETTER WEAVING AT LOWER COST

# USE

# A. P. T. YARN CARRIERS

A. P. T. Yarn carriers are tapered paper tubes with built up paper, folded metal or Bakelite heads as needed. When used for weaving, they can be made with long or short metal ferrules for electrical or mechanical feeler motions. The paper is impregnated and hardened so that it has high rigidity and high surface resistance. It will not warp even when exposed to moisture at high temperatures, as in steaming; nor will it splinter, chip or split.

Other advantages are light weight, perfect balance, larger yarn capacity in some cases, and freedom from static. Furthermore the smooth, hard, resilient surface protects delicate fibres, thus reducing loom stops and fabric seconds. Such performance means lowest ultimate cost.

Users of A. P. T. yarn carriers include many prominent mills in all branches of the textile industry.

What is your yarn carrying problem? May we make recommendations free of all obligations?

## A FEW A. P. T. PRODUCTS

1. Filling quills with folded metal heads suitable for electric or mechanical feeler motions.
2. Filling quills with Bakelite heads and metal ferrules for feeler motion.
3. Filling quills with Bakelite heads and built up paper bevelled base.
4. Spinning bobbins for worsted ring frames.
5. Spinning bobbins for new large package woolen mules.
6. Bobbins for twister frames.
7. Bobbins for French type worsted spinning frames.
8. Bobbins for new wool ring spinning frames.

## AMERICAN PAPER TUBE CO.

**WOONSOCKET, R. I.**  **ESTABLISHED 1898**

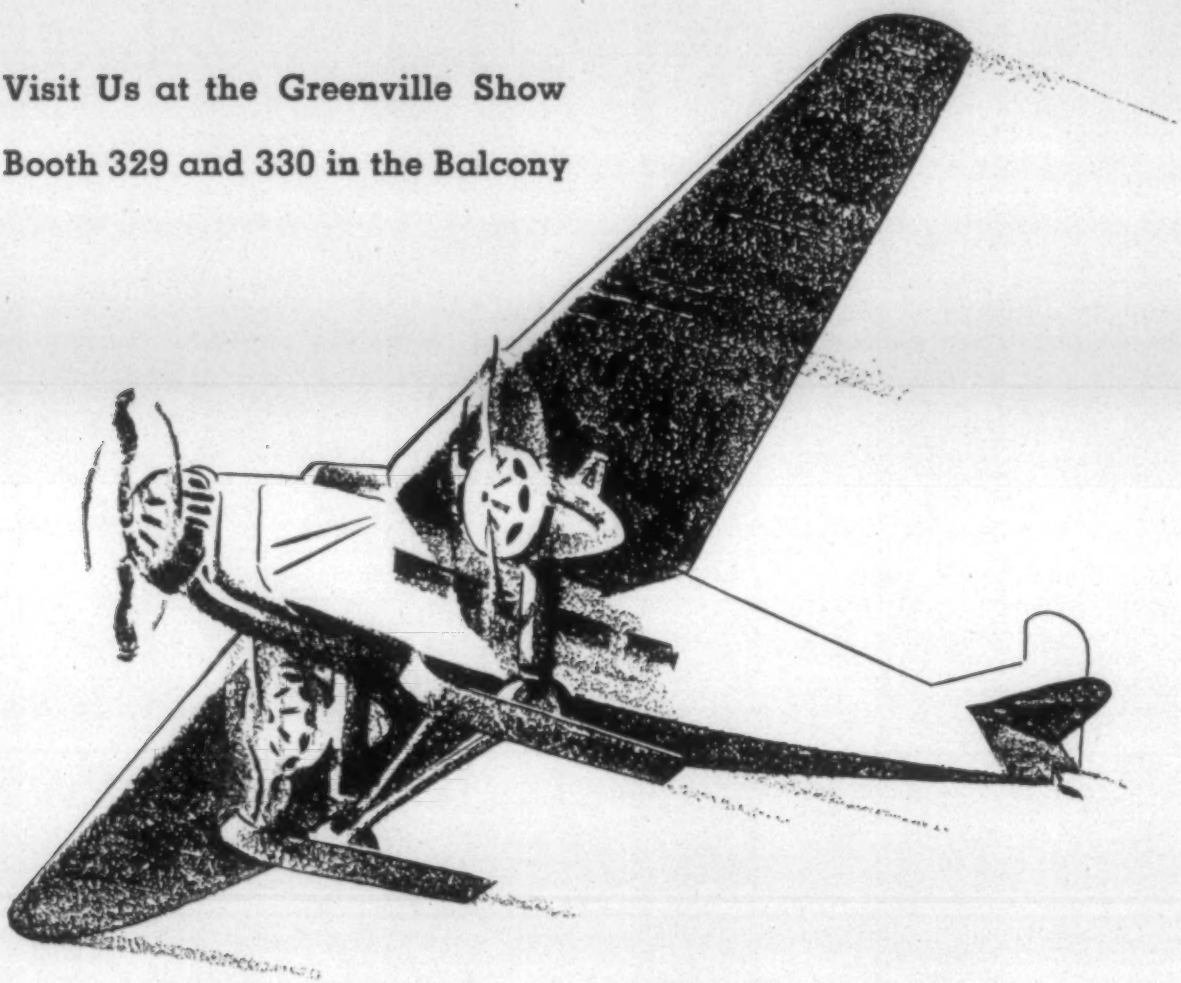
**THE FINEST TAPERED TUBES AND QUILLS**

Ernest F. Culbreath, Southern Agent, P. O. Box 11, Charlotte, N. C.

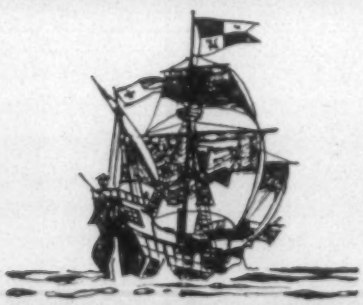
**SPECIALIZING IN THE FINEST TAPERED TUBES AND QUILLS OF ALL TYPES**

**Visit Us at the Greenville Show**

**Booth 329 and 330 in the Balcony**



# What COLLECTIVE THINKING Has Done for Exploration - It Can Also Do For Textile Finishing



In 1492 Christopher Columbus crossed 3800 miles of Atlantic ocean in 45 days and discovered a new continent. His discovery has gone down in history as a monument to INDIVIDUAL courage and individual thinking. However from the standpoint of actual achievement Admiral Byrd's airplane flight to the North Pole in 1926 overshadows Columbus's voyage, for Byrd crossed 1600 miles of barren ice fields in 15½ hours. To Byrd alone goes the credit for individual conception, but he would be the first to admit that his performance would have been impossible without the COLLECTIVE THINKING of specialists in many different fields.

COLLECTIVE THINKING is also a means to greater achievements in textile sizing, printing, and finishing. It is available to even the smallest plant or department through A-H Consultation Service. This service is rendered free of charge by a staff of specially trained chemists, assisted by a complete, modern laboratory and a company experience of 122 years.

What are YOUR sizing, printing or finishing problems? Write us about them, or tell them to our representative, and let us combine our experience with yours toward a profitable solution.

# Arnold, Hoffman & Company, Inc.

Established 1815 — Plant at Dighton, Mass.

PROVIDENCE, R. I.

New York — Boston — Philadelphia — Charlotte

A-H CHEMICALS: Sizing and Finishing Gums and Compounds • Soluble Gums • Softeners • Soluble Oils • Tallow • Waxes • Soaps • Flour • Dextrines • Starches • Pigment Colors and Lakes • Ammonia • Acids • Blue Vitriol • Borax • Bichromate of Soda • Bichromate of Potash • Liquid Chlorine • Chloride of Lime • Caustic Soda (solid or flaked).

As governor of all the citizens of North Carolina he feels that he must protect all in the exercise of their constitutional rights and it was an opportune time for a frank statement of his position.

## Fable Of A Baseball Game

A MAN stood in the batter's box with a bat on his shoulder. On the ground at his feet was a flat square mat variously known as the home base, the rubber and the plate. The batter waited.

Facing him from the pitcher's box was the town's idol—a pitcher who had broken all records and seemed unbeatable; a hero unspoiled by fame and undaunted in the pinches.

The pitcher tied himself in a graceful knot, uncoiled like a steel spring, and a white flash exploded in the catcher's mitt.

"Ball one," said the umpire.

The pitcher's eyes hardened. He had heard that verdict nine times in succession and he was tired of it. Grimly he wound up again and again the white streak flashed.

"Ball two," said the umpire.

Once more the pitcher tried.

"Ball three," the umpire said.

It was too much. The pitcher held the ball and turned to face the bleachers, holding up his hand for silence.

"There's no sense in going on with this," he cried. "Judging by the decisions already made against me, I see no reason to believe that any future pitch of mine will be called a strike. We can't hope to win this game until we get a new umpire."

"You ain't puttin' 'em over the plate," yelled an opposition fan.

"I don't claim to be doing that," said the pitcher. "I only say that I can't win this game without strikes and this umpire calls it a ball if it isn't over. He is living in the past and judging by rules that were made a century ago. I demand a new umpire."

"Why not change the rules instead of the ump?" demanded the fan.

"There isn't time for that," said the pitcher. "This is an emergency. And, anyway, the fans might not approve the change. Give me a young umpire who will call it a strike when I say it is."

So a new ump came in and the game was won, but it killed baseball. Each pitcher appointed an umpire who suited him and the fans seemed to lose faith in their decisions.

*(Reprint from the syndicate column of Robert Quillen.)*

## Came With The Wind

IN an address before the South Carolina Bar Association, former Gov. O. Max Gardner, of North Carolina, now a resident of Washington, D. C., said:

"You have received from Uncle Sam recently ($242,000,000) enough to materially compensate you for damage done Columbia by Abraham Lincoln and General Sherman."

Gov. Gardner failed to state where Uncle Sam got the money. He implied that it "Came with the wind." The only way Uncle Sam can get any money to give anybody, is to take it away from citizens of South Carolina and other States through taxation or to issue bonds and obligate the tax payers to furnish the money through taxation in the future.

The $242,000,000 cannot be considered as a gift, unless South Carolinians wish to be thankful for being handed a part of the money which was taken out of their own pockets or is to be taken from the pockets of their children.

## Extracts From Recent Letters

### From the Treasurer of a large Textile Plant

"Not many of the publications which come into my hands are practicable and usable in all respects.

The only frank, sound, matter-of-fact, convincing, and the most healthy common-sensed statements are found on the editorial pages of "Textile Bulletin." Usually, if not always, you just use up two pages, while the subjects treated are up-to-date, poignant and exactly in the right tone, style and force as we would like every one of our employees to digest and consider in their own mind."

### From the President of a Cotton Mill

"May I take this opportunity to express my sincere appreciation of Textile Bulletin and of the splendidly condensed editorials, which are informing, as well as right to the point, 'driving the nail home'."

### From a New York Cotton Goods Selling Agent

"As I have often told you, I look forward each week to the receipt of the Textile Bulletin and always read the editorial page.

I want to congratulate you on the unusually fine editorial under the caption "A Time for Several Reflections" which appeared in the issue of March 11th."

### From a Prominent Hosiery Manufacturer

"I believe what you have said in both these editorials and I can see the truth and wisdom in both of them. I would to God that you would last a thousand years to continue these great editorials but I fear even with all the hope that is implanted in the souls of us true Americans that we will have to go through a state of chaos and destruction before we will ever see another free America."



# Problem PAGE

## Devoted to Practical Questions and Answers Submitted by Our Readers

### Answer to Bad Selvage on Picker Laps

*Editor:*

A few things that might help prevent bad selvages on picker laps are:

First: Your fan may not have enough speed. This is more apt to cause trouble than anything else.

Second: Check the inside of the cage boxes to see that all airways are open.

Third: See that dampers to cage are set so that the air is circulating evenly through all airways.

Fourth: See that screens are cleaned out regularly, and that no chokes accumulate on screens or near beaters.

Fifth: See that fly boxes above mote boxes are cleaned out regularly, and that grid bars are open, with no accumulation of motes or fly waste.

Sixth: See that leathers around screens are in good shape, and are not too wide. These should not be wider than the metal band around the screen, or they will cut off the air to the place where it is needed most to make good selvages.

Seventh: See that the plates that hold the leathers to the screen are clean and smooth.

Eighth: See that the galvanized pipe leading from the fan under the picker is not serving as an anchor for chokes to accumulate.

I hope that this will be of benefit to the man who is having trouble with his selvages.

*Fred C. Adams.*

### Answer to "Helper"

(What Card Draft?)

*Editor:*

"Helper" asks two questions. To the first one I can say, yes, there is a slight draft between the lap roll and the feed roll on the card. This draft, though, is not for the purpose of straightening any of the fibers of the cotton in the lap; it is merely to prevent any possible piling up, or ballooning of the lap between these two rolls.

You did not ask for it, but here is the way to find the draft between these rolls:

Multiply the diameter of the feed-roll by the number of teeth in the lap-roll gear, and divide by the diameter of the lap roll multiplied by the number of teeth in the small gear on the end of the feed-roll.

If the feed-roll is 2½" in diameter and has a gear with 17 teeth, and the lap-roll is 6" in diameter and has a gear with 46 teeth, what is the draft?

$$\frac{2\frac{1}{2} \times 46}{6 \times 17} = 1.127 \text{ draft.}$$

To your second question, will advise that the licker does not deposit the fibers on the clothing of the cylinder. On the contrary the wire points of the cylinder clothing take the fibers from the licker.

It is true that the licker revolves much faster than does the cylinder. However, the cylinder travels at almost double the surface speed of the licker, thereby lifting the fibers off the teeth of the licker.

*J. R. R.*

### Wants Remedy for Pulling In of Selvages

*Editor:*

We are making a fabric from ply yarns and are troubled with pulling in of selvages. Will you have your readers suggest a remedy for this? Everything we can think of has been tried and while the defect has been reduced, we still have some of it.

*T. N. P.*

### Wants Emergency Size Compound

*Editor:*

As we have several times been almost out of sizing compound, I am wondering what I could or would do in case such a calamity did happen.

We are making sheeting and three harness drilling.

I would appreciate any information in regard to the proper ingredients to use in lieu of a sizing compound.

*"Size."*

### Answer to "Supt."

(How Should Belts Be Cut)

*Editor:*

In answer to Supt. question as to how much to cut out of a belt when putting on a smaller pulley. Mr. Schackner and "Second Hand" gave the rule for finding the length of an open belt, but did not answer Supt's question. When changing from one size pulley to another you will cut your belt 1.57 inches for each inch you reduce your pulley size. And of course you will add the same amount if you put on a larger pulley.

*J. D. B.*

# CROWN RAYON

## will reach new highs during 1937

CROWN VISCOSE RAYON—is being consumed in greater quantities than ever before. Production facilities are being expanded.

CROWN ACETATE RAYON—this popular yarn, known as SERACETA in the retail markets, will be available in greater quantities to meet the increased demand.

CROWN RAYON STAPLE (FIBRO)—is meeting a continually increasing demand. New and marketable textures are being created from this new CROWN Staple fibre that is being spun on cotton, silk or wool systems.

### SALES OFFICES

New York City

Providence, R. I.

Charlotte, N. Carolina

Philadelphia, Penn.




### PLANTS

Marcus Hook, Penna.

Roanoke, Va.

Lewistown, Penna.

Meadville, Penna.

Parkersburg, W. Va.

Nitro, W. Va.

THE VISCOSE COMPANY

*World's Largest Producer of Rayon*

200 MADISON AVENUE · NEW YORK CITY

Copr. 1937—The Viscose Company

## Will Appear on Program at S. T. A. Luncheon

Edwin M. Holt, Vice-President of the S. T. A.; L. J. Rushworth, Chairman of Board of Governors of the S. T. A.; and A. H. Cottingham, General Manager of Victor-Monaghan Mills, Greenville, S. C.; will appear on the program at the Southern Textile Association luncheon in addition to the speakers announced on page 28.

This luncheon is to be held at the Poinsett Hotel, Greenville, S. C., at 12:30 P. M., Friday, April 9.

## OBITUARY

### SAYERS D. EUBANKS

A stroke of paralysis, suffered after he retired Saturday night, caused the death Sunday morning of Sayers D. Eubanks, 68, former resident of Concord and well known cotton mill man, at his home in Durham.

Mr. Eubanks was born in Union, S. C., September 14, 1869. He came to Concord in 1905 to accept a position with the Cannon Manufacturing Company, and since that year had divided his time between Concord, Hillsboro and Durham, where he continued his work as a textile expert.

In Concord Mr. Eubanks was associated at various times with the Cabarrus, Gibson and Brown mills. He left here in 1919 for Hillsboro where he held a position with the Eno Mills for several years before moving to Durham.

### MRS. BESSIE L. JOHNSON

Mrs. Bessie L. Johnson, 57, wife of Allen F. Johnson of Greenville, president of Florence Mills, Inc., died in a hospital in Atlanta, Ga., according to information received.

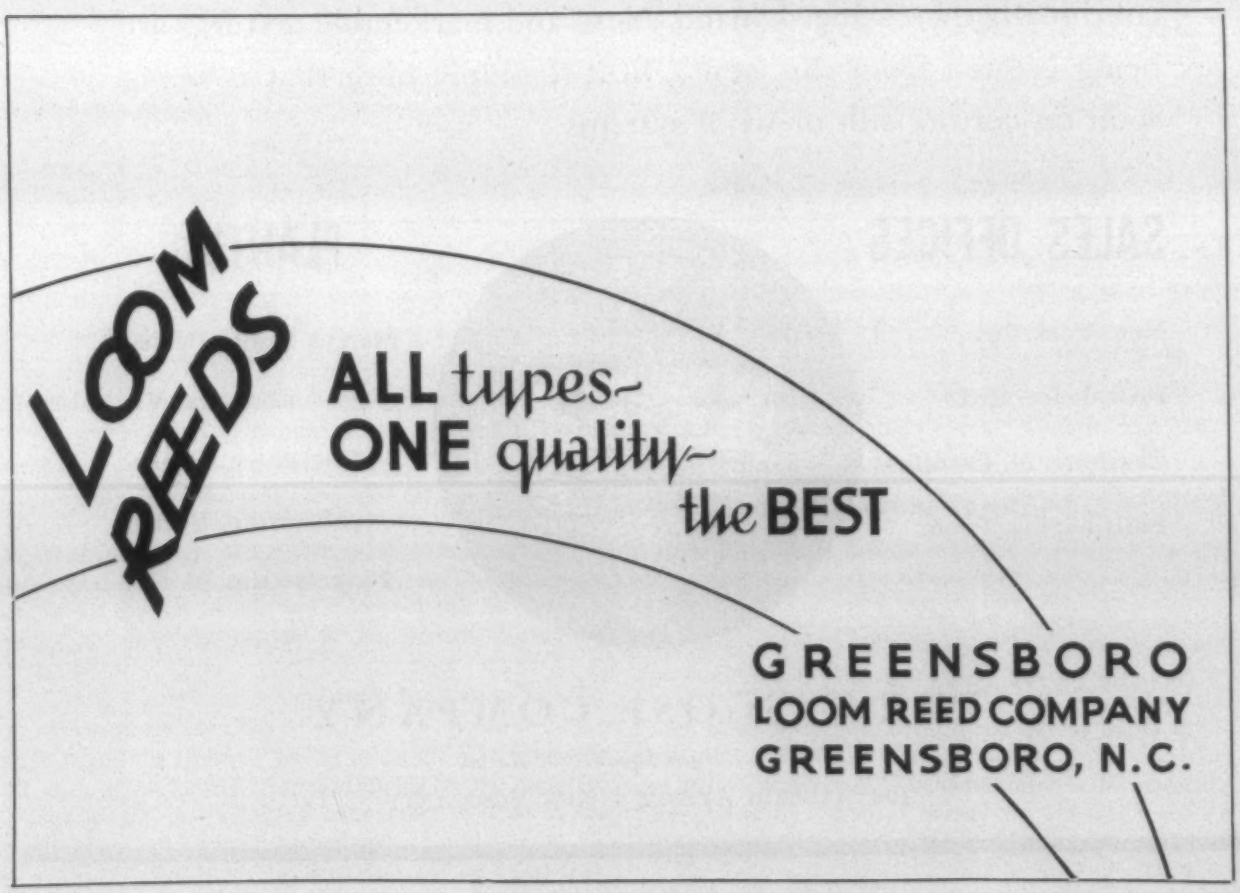
The family has been in Greenville about two years. Mr. Johnson was president of American Spinning Co. before the mill was made a unit of the Florence Mills, and is president of Florence Mills.

### KENNETH GANT

Kenneth Gant, 55, president of the Neuse Manufacturing Company, of Neuse, N. C., died at his home March 25, after an illness of a week. He was born in Altamahaw, N. C., and attended Guilford College and the University of North Carolina. He moved to Wake County in 1912, when he became secretary-treasurer o fthe Neuse Mfg. Co.

### WILLIAM OSCAR ORR

William Oscar Orr, 60, died at his home in Midway N. C. He was electrician at Cannon Mills Company and had been in Kannapolis, N. C., since 1927. The body will be shipped to West Point, Ga., for burial.






# OF COURSE IT'S BEST!

IF Barreled Sunlight weren't the best paint for your particular job—we couldn't make the claims we do for it. But it is the best, because it possesses the five vital qualifications of a fine paint . . . and each in its highest degree.

You'll discover the real perfection of Barreled Sunlight the first time you use it in your plant . . . for those five important qualities mean a better looking job with a more durable surface . . . and the finished job will actually cost less, because you save on both paint and labor. Don't figure your painting cost by the price per gallon of paint . . . but by the cost of the finished work. U.S. Gutta Percha Paint Company, 5-D Dudley Street, Providence, R. I.

■

**We will be pleased to have you stop at our booth No. 201 at the Southern Textile Exposition, April 5-10, at Greenville.**

# BARRELED SUNLIGHT

## Old Dominion Box Co. Wins Award

The Old Dominion Box Company, Inc., of Lynchburg, Va., with branch factories throughout North Carolina, has the distinction of having produced the package which won the Bronze Award in the All-American Package Competition of 1935 as sponsored by "Modern Packaging," a magazine devoted exclusively to packaging.

The award was based on the Bon Bon Box featuring a half dozen towels made by Cannon Mills. This package, designed by Cannon and produced by Old Dominion, has a record of having tripled sales. Thousands of packages were entered in the Set-Up Paper Box Classification, in which the Cannon Box won the Bronze Award, and this special prize was one of the very few granted out of 12,000 entries.

The Old Dominion Box Company may be rightfully proud of this distinction, equipped as they are to produce not only packages made to specification, as furnished by their clients, but to create new, original and outstanding designs for their clients' approval. They have a special Designing Department to originate new sales-winning containers, or to suggest improvements when such assistance is desired. They make set-up boxes, folding boxes, window boxes of all kinds, as well as corrugated shipping containers, counter and window displays.

This concern offers to prepare special designs without obligation for interested firms which are subscribers to this publication.

## "Hose-o-Meter" Invented

Paul Verdier, president of the City of Paris Dry Goods Co., and a leading figure in the French colony of San Francisco, has tried his hand at inventing and has evolved a hose-o-meter. This is designed to measure accurately leg and foot sizes so that customers may be given a perfect fitting hose.

Miss Kathryn Lear, the buyer, says that is has been realized for a long time that foot sizes alone are not sufficient in fitting hosiery, and that is it not enough merely to guess the proper length. The new device measures the circumference of the calf and automatically registers the proper length of the stocking, taking into consideration the point where the stocking should be gartered.

The device is now used in connection with most sales of hosiery and a card index is kept of the customer's leg length and foot size. This simplifies the filling of orders placed over the telephone and frequently results in more pairs being sold in a single transaction. It is also noted that fewer adjustments have been made since the installation of the measuring device.

The City of Paris Dry Goods Co. was founded in the early fifties by an ancestor of Mr. Verdier and it is of interest to note that the founder was engaged in the hosiery business in France before sailing for San Francisco to cast his lot in a new land.

Staley's PRODUCTS FROM CORN

Staley's

Staley's PRODUCTS FROM CORN

Textile Starches

CONTRIBUTE TO GENERAL MILL EFFICIENCY AND PROFITS. THERE IS AN EXACT GRADE FOR EVERY PURPOSE.

STALEY'S COOPERATION AND SERVICE ARE USEFUL TO YOU IN ANY KIND OF AN EMERGENCY

A. E. Staley Manufacturing Company

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● Just as the diver can go to greater depths because of his special equipment, the Stein-Hall laboratories can go more deeply into your sizing, printing and finishing problems because of our special scientific equipment, skilled chemists and trained field staff. In addition to the customary types of apparatus, our laboratories are equipped with special devices for Starch, Dextrine and Gum research, and our personnel has made an exhaustive study of the subject.

We have been able to solve many bothersome textile problems, and have been instrumental in increasing production, improving quality and effecting economies for our customers.

We offer this service to all textile mills without obligation.

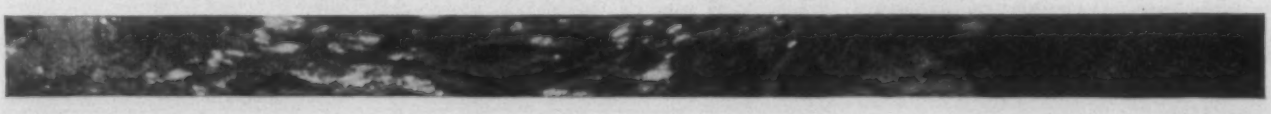
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STARCHES, DEXTRINES and GUMS for SIZING, PRINTING and FINISHING

VISIT US AT BOOTH No. 482 SOUTHERN TEXTILE EXPOSITION






WANTED — Young man experienced as bookkeeper, assistant manager of textile plants, open for a new connection. Best of references. Address "Bookkeeper", care Textile Bulletin.

## Pacific Mills Net $956,190

Boston, Mass.—Pacific Mills have authorized a dividend of 50c a share on common stock, payable March 10th to shareholders of record February 26th. Last November a distribution of $1 a share was made, the first payment since September, 1934.

For the year ended December 31st the company reports net profit after charges of $956,190, equal to $2.39 a share on the stock outstanding, compared with loss in 1935 of $457,771, and a loss in 1934 of $521,091.

Net sales in 1936 totalled $55,950,032, compared with $51,035,088 in 1935 and with $40,732,302 in 1934.

As of December 31st, current assets were $25,426,448 and current liabilities $12,034,158, making net working capital $13,392,290, an increase of $137,340.

## Bill Asks Labeling Of Textile Products

Washington, D. C. — Representative Theodore A. Peyser of New York City has introduced a bill to provide for the informative labeling of textile products and fabrics moving in interstate commerce.

The measure, designed to prevent deception of the public by erroneous labeling, calls for the establishment by the Federal Bureau of Standards of regulations for labeling textile products.

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WHEREVER millmen gather to exchange ideas and experience, there is a definitely expressed satisfaction and assurance covering the advantages and accomplishments advanced by the — BOWEN PATENTED BEVEL EDGE — THE BOWEN PATENTED VERTICAL OFFSET and the PATENTED NE-BOW VERTICAL TRAVELERS. These offer better Spun and Twisted Yarns.




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UNIVERSAL STANDARD RING TRAVELERS . . . . . mean the same to all . . . . SATISFACTION . . . . And satisfaction begets good will.

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FROM RAW MATERIALS TO FINISHED PRODUCTS

Somewhere in the handling of materials you are losing money

THE TEXTILE INDUSTRY MUST LOOK AT IT'S

FLOORS

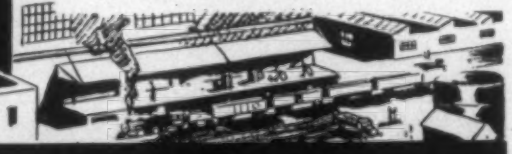
RUTS AND HOLES impede traffic, break down your trucks, create dust and cause accidents

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Charlotte textile leathers are built to specifications, carefully inspected and delivered to meet your requirements. They are made in oak tannage or Hairon leather from tough, heavy foreign hides.

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CHARLOTTE, NORTH CAROLINA

INDUSTRIAL LEATHERS FOR EVERY PURPOSE


# Mill News Items

McADENVILLE, N. C.—Five houses belonging to the McAden Mills were destroyed by fire on March 29. Loss was estimated at between $5,000 and $6,000 by Gen. Manager Robert R. Ray.

---

HICKORY, N. C.—Miss Lorene Leonard, manager of the Hickory office of the North Carolina Employment services, states that she continues to receive more calls for skilled hosiery mill workers than she has applications for this type of work. She stated: "At the present time there is a demand for experienced 'menders' to finish third grade goods and to mend finished products." These menders are needed at once, she stated. Miss Leonard also declared that numerous urgent requests for experienced salesmen and saleswomen for regular and part-time work have been received at the office.

---

ROCK HILL, S. C.—Several local textile plants announced a return from 50 to 40-hour week shifts, while others revealed plans for a similar readjustment as soon as certain difficulties can be worked out.

Making the change from two 50-hour to two 40-hour shifts were the Industrial and Highland Park Mills. It was understood that a notice to the same effect was posted at the Aragon, but no official announcement was made.

Two of the city's textile mills, the Wymojo and the Cutter, have operated in 40-hour shifts for the last few years, and will continue to do so.

---

NEWBERRY, S. C.—J. Y. Jones, superintendent of the Newberry Cotton Mill, announced that a contract for a general renovation program in the mill village had been awarded to C. M. Guest and Son of Anderson. Work has already begun, it was said. The contract will amount to around $40,000 and will give employment to a large number of men.

The Newberry mill, one of the pioneer mills in this section, has approximately 250 houses in the village. The work will include the addition of bath rooms and painting all houses on the interior. Zack F. Wright is president and secretary-treasurer of the mill, which has around 645 operatives.

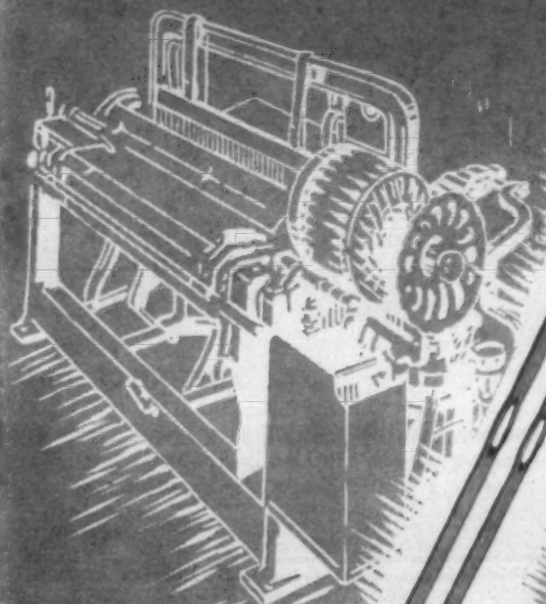
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ELIZABETHTON, TENN.—The board of directors of the North American Rayon Corporation have declared a quarterly dividend of 75c per share upon the outstanding $50 par value 6 per cent prior preferred stock of the corporation. This dividend is payable April 1 to record holders at the close of business on March 18.

There was also declared an interim dividend of 50c per share upon the outstanding Class A and Class B common stocks of the corporation, payable April 1 to record holders at the close of business on March 18.

The directors have decided to discontinue paying regular dividends on the corporation's common stocks and to declare interim dividends during the year which will be declared in amounts such as the condition of the company seems to warrant at the time. The directors have not at this time adopted any policy with respect to the percentage of earnings for the year to be distributed.

# A New Loom a New Heddle



Be sure to drop in at our Booth at the Southern Textile Show

## and a name that means the best

QUALITY LOOM HARNESS EQUIPMENT

TRADE MARK

**Stehedco**

**1937 promises to be a banner year for the Textile Industry. Old antiquated equipments are going to be replaced with new, up-to-date, efficient high-speed machinery. Worn-out Heddles and Harness Frames cannot stand the great momentum of speed.**

**To obtain results and top-notch efficiency, strong, durable Harness Frames and the latest type heddles with their many indispensable refinements should be purchased to meet the anticipated returns of high-speed machinery.**

**STEHEDCO equipment has stood the acid test 100% in keeping abreast with the demands made today—When in need of Loom Harness, buy the best.**

## Steel Heddle Mfg. Co.

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Providence, R. I.
Dallas, Texas

# PRIZE C

## How Many Men Can



MEETING OF SOUTHERN TEXTILE SOCI

The above is a photograph of the meeting of the Southern Textile Association at Greensboro, N. C., in 1912, twenty-five years ago. We will give a prize of $10 to the person who can identify the largest number of these men by noon Friday of Textile Exposition Week and who presents a written list at our Exposition Booth which is No. 204 and is located on the Second Floor of Textile Hall.

To make identification easier, the original photograph, which is much larger than the above cut, will be on display at our Booth during the entire week. In case two persons identify the same number of men, the list first presented will be declared the winner.

# Exhibits at Textile Exposition

*(Continued from Page 43)*

USS Roofing and Siding Products, on display will be a presentation of featuring the new USS Lifetime Shingle for industrial housing.

In addition, there will be a display on pipe and tubing as used in the textile industry including mechanical tubing, USS Stainless tubing, scale free pipe, copper steel pipe, Duroline pipe, and boiler tubes.

There will also be a display of fencing as used for industrial purposes.

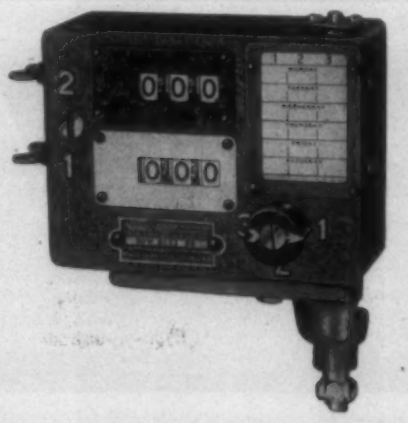
United States Steel Subsidiaries to be represented in this exhibit include American Steel & Wire Company, Carnegie-Illinois Steel Corporation, Cyclone Fence Company, National Tube Company, Tennessee Coal, Iron & Railroad Company.

**Universal Winding Co., Boston, Mass., booths 234-236,** will show a Roto-Coner equipped for winding paper cones, and special attachments for a variety of winding, including wood coning, wood tubing, paper tubing, mercerized yarn and dyeing packages.

Also a No. 90 Filling Bobbin Winder equipped for winding regular automatic loom bobbins and flat bobbins of rayon yarn. This machine will be equipped with the Disc-Quil tension.

Those attending the show will be: from the executive offices—R. A. Leeson, president; E. O. Smith, vice president; Robert Leeson, sales manager; T. L. Cotter and R. L. Chisholm. Southern representatives—I. E. Wynne, Charlotte, N. C.; R. M. Mauldin, Charlotte, N. C.; J. W. Stribling, Atlanta, Ga.

**Veeder-Root, Inc., Hartford, Conn., booth 107,** will show the Veeder-Root line of textile counters featured



against a background of a colored relief map, seen in perspective through an open casement window. On this map are located all Veeder-Root offices in the United States, Canada and Europe.

The counters on display, some of which are in actual operation, include the full Veeder-Root line of pick, hank, and yardage counters. Dominating the display are the new two shift reset hank and pick counters of the 2-3 Type.

Among the Veeder-Root executives and sales representatives who will attend the exposition are the following: G. H. Anthony, president; J. H. Chaplin, vice president and sales manager; A. E. Kallinich, field sales manager; H. L. Spaunburg, chief engineer; Edwin Howard, Southern sales manager; J. V. Verner and R. W. Bailey, sales representatives.

**Vermont Spool and Bobbin Co., Burlington, Vt., booths 423-426,** will exhibit twister bobbins and spools for cotton, woolen, and worsted manufacture. Representing them will be Mr. Tiffany.

**Victor Ring Traveler Co., Providence, R. I., booth 250-B,** will show

*(Continued on Page 71)*

# Z CONTEST

## Men Can You Name?




EXTILE SOCIATION 25 YEARS AGO.

It will be easy for many to identify Mack Sherard, A. B. Carter, A. H. Cottingham, T. B. Wallace, M. G. Stone, L. L. Arnold and a few others but there are not many who can recognize any great number. It will probably be difficult for many to identify David Clark.

The above group are the men who shaped the early policies of the Southern Textile Association and made it a great educational force for the textile industry of the South.

# Exhibits at Textile Exposition

*(Continued from Page 70)*

ring travelers. Representatives will be B. F. Barnes, Jr., N. H. Thomas, E. R. Jerome, and J. E. Hull.

**Wadsworth Howland & Co., Boston, Mass., booth 319.**

**Walker Electric Co., Atlanta, Ga., booth 113,** will show pedestals for above-floor wiring or on ceiling below; combination floor box and pedestals, pedestals for all types of switches, test blocks and test plugs, pull boxes and junction boxes, metering equipment for plants and housing use.

Representatives will be R. M. Walker, K. D. White, H. O. Burnside, W. P. Christian, W. A. Hitchcock, J. D'Arcy, O. M. Carnes, and C. W. Strong.

**Watson-Williams Mfg. Co., Millbury, Mass., booths 121-122,** will exhibit a complete line of their regular, automatic and fibre shuttles; center, rear and rear slant tension eyes; the Expanding Ear Clip Catch; the One Piece Cast Iron Eye; heddle frames for every type of fabric; twin wire and bronze wire heddles, and hand stripper cards.

Of interest to rayon and silk weavers operating shuttle changing looms, the Watson-Williams fibre shuttle features this year a combination threading arrangement for rayons and crepes.

Representatives of the company who will be in attendance include: Wilbur L. Watson, president; Hubert J. Watson, treasurer; Clifton E. Watson, vice president and general manager; Philip L. Spencer, superintendent; D. C. Ragan and E. V. Wilson, Southern representatives.

**Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa., booth 465,** will display their latest developments in electrical equipment for use in textile mills. The exhibit will include, loom motors and loom motor control; spinning frame motors and spinning frame motor control; instruments and measuring devices; switchboards; automatic circuit breakers; and the "crossfield" type Flexarc welder with precision arc control.

Westinghouse will be represented by the following men: Thomas Fuller, manager S. E. district, Atlanta; John Gelzer, Jr., Ind. manager S. E. district, Atlanta; J. W. Brooks, sales promotion manager, Atlanta; M. A. Land, textile specialist, Atlanta; E. S. Lammers, textile engineer, Atlanta; J. H. Reeves, Jr., textile specialist, Greenville, S. C.; A. D. Snipes, industrial department, Atlanta; John C. Boesch, manager Charlotte office, Charlotte, N. C.; C. L. Speake, textile specialist, Charlotte, N. C.; A. W. Rose, textile specialist, Greensboro, N. C.; T. C. Kelley, manager motor sales, East Pittsburgh, Pa.; G. D. Bowne, manager general miss electric, East Pittsburgh, Pa.

**Wheeler Reflectory Co., Boston, Mass., booth 301,** will exhibit Mercury Vapor Lamp fixtures, Vapor-Proof Fixtures for hazardous locations, Panelite and General Textile Mil' Lighting Fixtures. Representatives in attendance will be H. A. Barnes, sales manager, and R. H. Witherspoon, Southern manager.

**Whitinsville Spinning Ring Co., Whitinsville, Mass., booth 203-B,** will exhibit a full showing of their line of rings and ring accessories.

Representatives will be W. P. Dutemple, of Whitinsville, and H. R. Brock, Southern agent.

**Whitin Machine Works, Whitinsville, Mass., booth 251,** will exhibit a Cotton Roving Frame, 8x4x7", equipped with their Long Draft System, on

*(Continued on Page 74)*



A FROST-PROOF HYDRANT . . . for all year 'round service

THE VOGEL frost-proof hydrant assures an outside water supply winter and summer. When properly installed it will never freeze, and is so simple in construction that there is nothing to get out of order. This hydrant has been sold by plumbers everywhere for more than 25 years. The cost is so small you cannot afford to be without its convenience.

JOSEPH A. VOGEL COMPANY
WILMINGTON, DEL. ST. LOUIS, MO.

VOGEL PATENTED Products

FOR 1937

COTTON CARD GRINDING

See our Exhibit

BOOTH 207

SOUTHERN TEXTILE EXPOSITION

B. S. ROY & SON COMPANY
Worcester, Mass., U. S. A.
Greenville, S. C., 21 Byrd Blvd.

# National Cotton Week May 31 through June 5

With the cotton textile manufacturing industry booming and cloth prices holding firm at high levels, the Cotton-Textile Institute set the period of May 31-June 5 as "National Cotton Week" this year, according to W. M. McLaurine, of Charlotte, secretary of the American Cotton Manufacturers Association.

Symbolic of cotton's "all-purposefulness" in wardrobe and home is the official 1937 National Cotton Week poster design revealed for the first time March 29th by the Cotton-Textile Institute, in anticipation of the seventh annual observance of the event May 31 to June 5.

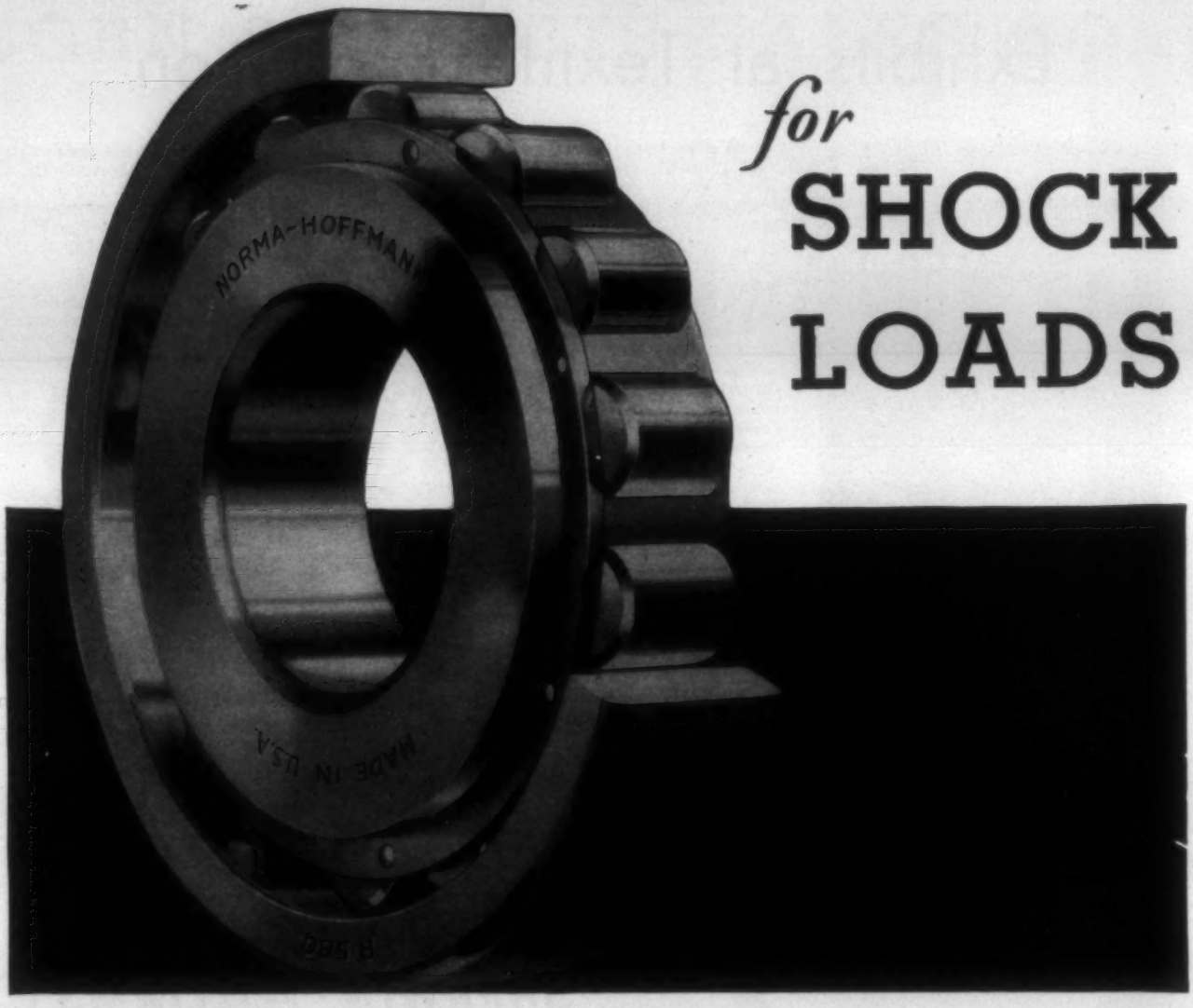
Naturally, the design is dominated by the words "National Cotton Week" superimposed over the familiar cotton boll which has been a feature of the poster in other years. Beneath the bill, as though to dramatize that there is an ideal cotton for every necessity and, more particularly, that "Everybody Uses Cotton", are grouped a farmer and workman in their cotton overalls, a girl in a smart, cool afternoon frock, another in tennis shorts and still another in a cotton swim suit with beach robe, children in cotton play-suits and dresses, and even a cotton smocked housewife with her Monday morning wash basket full of household cottons.

As indicative of the recognition of the Week by the trade generally and of the scope of this year's participation, J. K. Everett, Manager of the Intitute's promotional activities, states that an initial distribution of more than 125,000 of the posters will be required to satisfy the needs of retailers and other participants. In addition to the many thousands to be distributed by the Institute, participants are permitted to have the poster reproduced locally as needed and as, in other years, many merchants and others observing the week, will use the poster design in miniature as letter-head, envelope or bundle stickers.

The poster is the key-piece of the extensive variety of promotional material in course of assembly and preparation by the Institute and which includes all sorts of special merchandising suggestions and ideas for promotional campaigns recommended by the experience of nationally known merchants or devised by equally well known specialists in retail promotions. Supplementing the Institute's dealer helps, cooperative promotional themes will be offered by a leading women's magazine as well as by the trade press.

Aside from its direct cooperation in an advisory capacity with the more than 30,000 establishments in the retail and wholesale fields including both independents and chains, participating in the 1937 Week, the Institute has enlisted the support of affiliated industries such as sewing and washing machine manufacturers, soap manufacturers, laundries, pattern companies, and even railroads and hotels on a wider scale than ever before.

During the Week, according to reports to the Institute, every available medium of approach, including newspapers and magazines, motion pictures and radio will be called into play to high-light cottons before the consuming public. As a result it is believed that the 1937 observance will see mobilized behind cottons the greatest concentration of selling and advertising forces ever mustered in a common promotional cause.




# *for* SHOCK LOADS

ADD shock load and vibration to an extremely severe steady load—and you have a set of conditions that tests the strength and endurance of any bearing. It is under such conditions that NORMA-HOFFMANN PRECISION ROLLER BEARINGS show their superiority.

Equipped with solid cylindrical rollers between cylindrical races, NORMA-HOFFMANN ROLLER BEARINGS provide maximum load contact area—which means correspondingly increased capacity for both steady loads and overloads, together with greater shock resistance than any other type of single-row bearing affords.

Moreover, they employ a heavy-duty, balanced, extruded bronze retainer—riding on the inner ring shoulders and relieving the rollers of its weight—that insures added durability. And their PRECISION qualities make them suitable alike for low and high speeds. . . . . Write for the Catalog. Let our engineers work with you.

***Booths 453-454, Textile Show***

## "NORMA-HOFFMANN"

**PRECISION BALL, ROLLER and THRUST BEARINGS**

**NORMA-HOFFMANN BEARINGS CORP'N., STAMFORD, CONN. U.S.A.**

# Exhibits at Textile Exposition

*(Continued from Page 71)*

3.25 hk. roving drafting 7.22 with 10x5" creel bobbins.

A Cotton Roving Frame, 8x4x7", equipped with Super-Draft, making



3.25 hk roving, with a draft of 24.18. The frame will be fed from cans.

A Spinning Frame of their latest type, 3¼" gauge, with 1¾" D. A. rings, running on filling wind, 7½" traverse, spinning No. 30's warp yarn from 3.25 hk double roving, one side of frame spinning from roving made on Whitin Long Draft and the other side spinning the same number from Super-Draft roving.

The frame will be equipped with the Whitin Long Draft System.

An exhibition of accessories, including spindles, flyers, rings, rolls, gearing, etc.

The following members of the Whitin personnel will be in attendance at the exposition:

The Northern office will be represented by—E. K. Swift, president and treasurer; W. H. Hoch, assistant treasurer; F. E. Banfield, Jr., works manager; Robert J. McConnell, manager of cotton service; James L. Truslow, Carl Brandt, research engineer; James F. Marshall.

The Charlotte and Atlanta territory will be represented by—William H. Porcher, R. I. Dalton, Mason P. Thomas, A. B. Moss, I. D. Wingo, M. J. Bentley, M. W. Keeley, W. D. Iyerly, P. M. Willingham, F. E. Bozeman.

**Jacques Wolf & Co., Passiac, N. J., booth 326,** will display samples of some of their chemical specialties for processing cotton and rayon and particularly their enzymic product Protozyme for removal of protein sizes, glues, gelatines and fats and Diazyme J. W. for removing starch sizes.

The exhibit will be in charge of C. Richard Bruning, of Greensboro, N. C., and will be attended by G. J. Desmond, secretary and sales manager of the company, as well as George W. Searel, now stationed at Chattanooga, Tenn.

**Yale & Towne Mfg. Co., Philadelphia, Pa., booths 321-322,** will exhibit electric industrial trucks, hand-lift trucks, skid platforms, chain hoists, lifts. Representatives will be M. G. Peck, G. Sherrill, and R. E. Wilson.

## Texas Senate Body Favors Mill Tax Exemption Ballot

Austin, Tex. — Approval has been given by a Senate committee of a joint resolution submitting to vote of the people on Aug. 23 a proposed amendment to the State constitution which would exempt all textile mills, wool scouring plants, and canning factories from ad valorem taxes for a period of seven years.




# CORN PRODUCTS SALES CO.

*For Your Convenience—*
*5 Southern Branch Offices*

•

*Jno. R. White*
GENERAL MANAGER
GREENVILLE, S. C.

•

*J. Cantey Alexander*
ASST. GEN'L MGR.
SPARTANBURG, S. C.

•

*W. R. Joyner*
MANAGER
GREENSBORO, N. C.

•

*C. J. Stover*
MANAGER
ATLANTA, GA.

•

*L. H. Kelley*
MANAGER
BIRMINGHAM, ALA.

•

CORDIALLY INVITE YOU TO VISIT

BOOTH No. 475

AT THE

TEXTILE EXHIBITION

IN

GREENVILLE, S. C.——————APRIL 6—10, 1937

## RECEIVER'S SALE

PELHAM MILLS

Pursuant to an order of the Court of Common Pleas for Greenville County in the case of Southern Franklin Process Company vs. The Pelham Mills, the Receiver will sell at public auction in, or in front of, the County Court House at Greenville, South Carolina, at 12 o'clock Noon on April 5, 1937, the plant of The Pelham Mills including approximately 310 acres of land in Greenville and Spartanburg Counties, S. C., with the mill buildings, warehouses, office and store building, and 110 tenement houses. The mill has 11,112 spindles equipped to make coarse yarns, fours to sixteens. There is included a valuable water power, and all water rights and easements of every kind will be included in the sale. At the conclusion of the bidding the successful bidder will be required to deposit with the Receiver five (5%) per cent of the amount of his bid, to be forefeited in case of failure to comply. The remaining ninety-five (95%) per cent will be payable in cash within 30 days. The purchaser will also be required to pay for revenue or documentary stamps. The property will be sold free of liens except the current property taxes for the year 1937 which must be assumed by the purchaser. The plant is located approximately 10 miles from the City of Greenville, and approximately 5½ miles from Greer, S. C.

Inquiries may be addressed to the undersigned at Greenville, South Carolina, and prospective bidders are invited to inspect the plant.

The sale will be subject to confirmation by the Court.

HENRY T. CRIGLER, Receiver.



# READY

THE NEW EDITION OF

# CLARK'S DIRECTORY

Of Southern Textile Mills

**Price $2.00**

*Complete—Accurate—Up-to-Date*

Please Send Cash With Order to Save Bookkeeping

**Clark Publishing Co.**
CHARLOTTE, N. C.


# Mill News Items

MAYO, S. C.—The Mary Louise Mills, Mayo, S. C., have been purchased by George H. Anderson (Pres. of Virginia Mfg. Co.) and associates, and will resume operations as soon as the plant can be put in proper condition to turn out a high grade carded yarn. Clarence L. Meyers & Co., Philadelphia, will act as exclusive selling agents.

Jas. R. Wilson of Greenville, S. C., will be the superintendent.

---

MAYO, S. C.—Plans to reopen the Mary Louise mill near Mayo in about two weeks were announced yesterday by D. H. Anderson, Greenville textile manufacturer.

He said that he would have charge and that about 125 persons would be employed.

No machinery replacements are immediately planned, but all equipment is being cleaned up and put in first class condition, preparatory to beginning operations, he said.

No statement was forthcoming as to the ownership of the mill or its officials, under the set-up.

The plant, closed for about five years, manufactures yarn.

---

BURLINGTON, N. C.—Net profit of $991,266 after all charges, including provision for income taxes and $147,866 surtax on undistributed profits was shown for 1936 by Burlington Mills Corp., (Delaware Corp.) large rayon weaver, which as previously noted in these columns, will shortly make public offering of its common stock, through Lehman Brothers.

This figure contrasts with $1,119,942 in 1935 and $952,694 in 1934.

The statement discloses Burlington to have attained a net volume of $25,421,385 in 1936 against $20,900,331 in 1935 and $16,606,544 in the year before that.

---

SAXAPAHAW, *N. C.*—Construction of an addition, size 104x300 ft., three stories high, is well under way, at the Sellers Mfg. Co. H. F. Mitchell, Jr., of Burlington, N. C., is the contractor.

A complete change to long draft spinning has been made, with an additional 14 frames on Whitin Long Draft is being installed. This will make a total of 12,096 spindles, all equipped on long draft.

Among other machinery installed or to be put in at an early date include, 6 Quillers, 4 Splitters, 7 Fly frames, 1 Slubber, 2 Intermediates, 36 Delivery drawing, 5 model D. Whitin Combers, 2 Whitin Lap Machines, 17 H & B cards, 4 Foster 102 Winders, 5 Saco-Lowell Spoolers and 14 Whitin Twisters.

An 800 H.P. Deisel engine has been installed and another of 600 H.P. has been ordered.

Included in this equipment is a mercerizing machine, that will step up production of from 45,000 to 80,000 lbs. weekly.

Every house in the village has been remodeled and painted on the outside.

The total cost of construction and equipment is approximately $225,000.

# ABBOTT TRAVELING SPINDLE WINDER

## WITH AUTOMATIC TIE IN HEAD

## SEE IT IN FULL OPERATION AT GREENVILLE SHOW

## APRIL 5 TO APRIL 10

## ABBOTT MACHINE COMPANY

WILTON, N. H.

L. S. LIGON, Southern Agent P. O. Box 1155 GREENVILLE, S. C.

**BOSSON & LANE, Inc.**

*Manufacturing Chemists*

**Established January, 1895**

*Specializing for the Textile Trade*

Castor Oil Products Sulphonated-Saponified.

ALPHASOL, a superior scouring assistant and emulsifyer.

BINDOL, a holding agent for back filled sizing.

VICTROLYN, the Wholly Efficient Sizing Assistant for warps.

Softeners-Sizes-Emulsions, Victor Textile Oil.

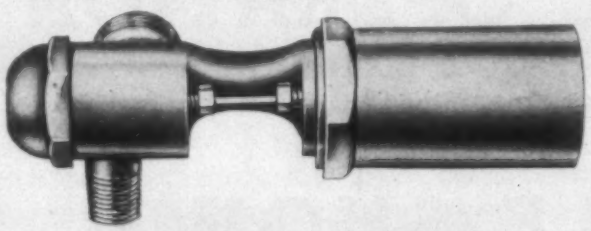
B & L Bleachers, Bluings and Violet Tints.

**Works and Office, Atlantic, Mass.**

*Southern Representative*

**J. Frank Richardson, Jr., Tryon, N. C.**

**Automatically Self-Cleaning**



**JACKSON**

***Automatic* ATOMIZER**

THE Jackson Automatic Atomizer, the result of many years of experience, is a simple, *non-corrosive* device that is positively self-cleaning simply by shutting off the air supply for an instant, either by manual or automatic control.

Thus it maintains *full capacity* with the minimum of attention — thereby saving horsepower, labor and trouble, and giving higher efficiency.

Can be connected to any system using 30 lb. air pressure, gravity water supply.

Not an experiment—now in successful use by numbers of textile mills. Prices of installation or other data promptly furnished, quick deliveries · · *let us cut your humidification* costs—write today.

**JACKSON MOISTENING COMPANY, INC.**

533 BEDFORD ST., FALL RIVER, MASS.

*Southern Representative:*

G. A. WHITE & CO., P. O. Box 533, Charlotte, N. C.

## Veeder-Root Capital Will Be Increased

Capital of Veeder-Root, Inc., now consisting of 75,000 shares of stated value of $25, will be increased by 25,000 to 100,000, new stock being issued in ratios of one new for each three held, at $40 a share. Capital will thereby be increased $1,000,000. The new capital to which stockholders are invited to subscribe will finance the plant expansion, now in progress, including equipment. It also provide for maintaining and strengthening the corporation's strong liquid capital position.

## Roumania to Grow More Flax

The Roumanian Government is planning to increase the output of hemp and flax and products therefrom. It is proposed to form a company with a capital of 150,000,000 lei, the majority of the shares being held by the State. This company would establish spinning mills in the flax and hemp producing centres in the country. The chief purpose of the scheme is apparently to provide additional sources of material for army requirements.

## British Report Less Japanese Rayon Competition

Less is being heard in England of Japanese rayon competition, but it must not be assumed that the situation is any the less acute. Japanese rayon products are still being offered on world markets at too low prices, and it is this which makes the home trade rayon price position so severe. The most active section is the weaving trade for rayon yarns, while the retail trade reports that spun rayon fabrics are being taken up more and more.

## Austrian Cloth Manufacturers Propose to Control Prices and Production

A cartel of Austrian cotton manufacturers is to come into force immediately. It will govern not only prices but also the allocation and restriction of production. Mills working only one shift will continue production as hitherto; in the case of those working two shifts, curtailment of output in the second shift is not to exceed 25 per cent. Prices are to be based in the first place on the yarn prices fixed by the spinners' cartel. The first result of the formation of the cartel will be a rise in prices, which for the time being, however, will be below that eventually aimed at by the cartel. All new contracts will be based on the new prices. The cartel points out that increases in prices are unavoidable owing to the greater cost of raw cotton and the higher yarn prices, but that they will be kept within the absolutely necessary limits.

## Bulgaria Increases Cotton Acreage

The Ministry of Agriculture of Bulgaria is proposing to increase the area under cotton to about 60,000 hectares, which will represent an increase of about 20 per cent over the previous year. An improvement in seed is also to be aimed at with the object of obtaining better quality cotton.

# *Improve Quality and Reduce Cost with* YARMOR 302*

Bright, white goods of soft texture are produced when kier compounds containing Yarmor 302 Steam-distilled Pine Oil are used.

The tensile strength of a fabric kier-boiled with these compounds is high.

Cost is important, and the use of Yarmor 302 Pine Oil favorably affects processing costs.

Return the coupon, and further information will be sent to you.

*HERCULES NAVAL STORES*
*HERCULES POWDER COMPANY*
INCORPORATED
942 Market Street
Wilmington, Delaware

*Reg. U. S. Pat. Off. by Hercules Powder Company

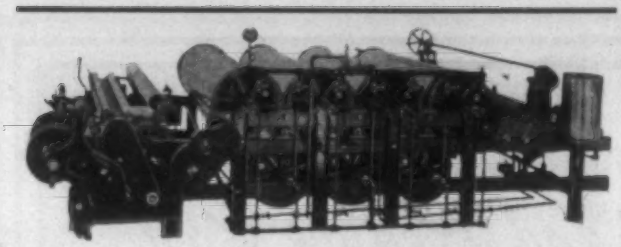

yarmor 302

yarmor 302

yarmor 302

HERCULES POWDER COMPANY, 942 Market Street, Wilmington, Del.
INCORPORATED
Please send information about the value of Yarmor 302 in kier compounds.
Name
Company
Street
City
State
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Branch Offices
CHICAGO . NEW YORK
ST. LOUIS . SALT LAKE CITY
SAN FRANCISCO



SIZE WARPS BY EITHER
Silk Or Cotton System On This
JOHNSON 7 CYLINDER
RAYON WARP SIZER

Two features essential to quality and speed in rayon warp sizing have been added to the latest Johnson sizer.

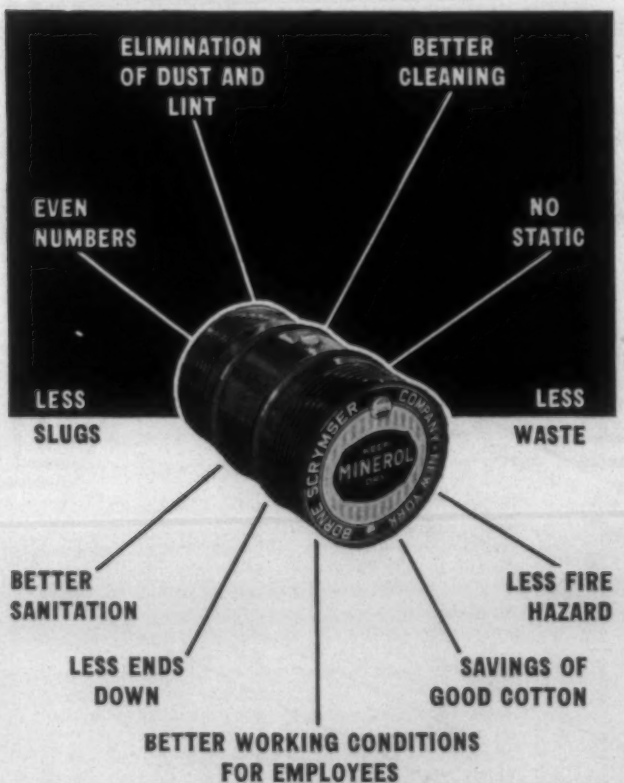
1—Two more cylinders, making seven in all, dry the warp at high speeds and without excessive temperatures.

2—The new patented combination end by which this Johnson sizer can be used with either silk or cotton system.

Folder with full description sent on request.

CHARLES B. JOHNSON
Piercy & Holsman Sts. Paterson, N. J.

Southern Representative
Carolina Specialty Co.
Charlotte, N. C.




BORNE SCRYMSER COMPANY
Originators of the BRETON MINEROL PROCESS for CONDITIONING COTTON
17 BATTERY PLACE · NEW YORK

## Cannon Mills Show Profit

Cannon Mills Co. in its 1936 annual financial statement reports net income of $4,275,558.43 on net sales of Cannon Mills, Inc., and subsidiary. The company reports among its current assets as follows: Cash, $2,285,-905.27; market securities, $4,657,348.07; accounts receivable, less reserves for doubtful accounts, $7,549,717; inventories, valued at lower of cost or market, $17,515,-479.67, making a total of $31,817,450.01.

Other receivables and investments included notes and accounts receivable, investment included notes and accounts receivable, investment in stock of other corporations and required stock of Cannon Mills, at cost, total $1,774,460.65. Plant and property, at cost, $25,806,-987.71, less reserve for depreciation, $12,028,340.78; deferred charges, $98,222.23, making grand total of $47,-468,779.92.

Liabilities include: notes payable - banks, $6,000,000; loans payable, officers, $300,000; accounts and outstanding vouchers payable, $2,490,072.82; salaries and wages, $210,015.74; Federal and State income, capital stock, and social security taxes, $1,306,413.08, making total of $10,306,413.64. Less reserve for employes and damage claims, $126,626.88. Shareholders' equity, $25,000,000 and earned surplus of $12,035,739, making grand total of $47,468,779.92.

Summary of Consolidated Income and Surplus for the year ended December 31, 1936, is as follows:

| | |
|---|---|
| Net Sales | $38,302,927 |
| Cost of goods sold (exclusive of provision for Depreciation | 30,313,380 |
| Gross profit from sales | $7,989,546 |
| Income from commissions | 712,119 |
| Gross profit from operations | $ 8,701,666 |
| Selling, administrative and general expenses | 2,309,465 |
| Operating profit (before provision for depreciation) | $ 6,392,201 |
| Provision for depreciation | 804,569 |
| Net profit from operations | $ 5,587,631 |
| Other income (discounts, interest, dividends received, etc.) | 589,842 |
| Gross income | $ 6,177,474 |
| Income charges (discounts allowed, interest paid, provision for Federal and State income taxes, etc.) | 1,901,915 |
| Net income for the year | $ 4,275,558 |
| Dividends | 3,951,120 |
| Net income added to surplus | $ 324,438 |
| Earned surplus at beginning of the year | 11,556,303 |
| Surplus credit (adjustment of book value of marketable securities owned by lower of cost or quoted market value at December 31, 1936, net) | 154,997 |
| Earned surplus at end of the year | $12,035,739 |

# BETTER PENETRATION MORE LEVEL SHADES

## WITH NEW DE-SIZING AGENT!



## PROTOZYME-TP

**GIVES QUICKER AND CHEAPER DE-SIZING FOR RAYONS AND ACETATES**

Protozyme-TP completely removes protein sizes, glues, gelatines and fats—affording better penetration for the dyestuff.

Its high proteolytic and liquefying properties make it economical and easy to use. It gives a rapid strip with a minimum of handling on jig or boil-off machine.

Protozyme-TP causes a peculiar swelling action of the fibres which guarantees thorough dyestuff penetration and leaves rayons and acetates with a soft, full hand.

FREE! Try it and be convinced—write today for samples and quotations.

## JACQUES WOLF & CO.

MANUFACTURING CHEMISTS AND IMPORTERS . . . PASSAIC, NEW JERSEY

*Warehouses:* Providence, R. I.; Philadelphia, Pa.; Utica, N.Y.; Chicago, Ill.; Greenville, S. C.; Chattanooga, Tenn.

## 12 Colleges to Exhibit Textiles at N. C. Show

Raleigh, N. C.—Dr. Thomas Nelson makes known the home economics departments of 12 North Carolina colleges have accepted the invitation of the State College Textile School to participate in the annual style show, which will be held in connection with the Students Textile Exposition on Thursday, April 22.

All the costumes displayed in this style show are made by young women, as a part of their classroom work in home economics, from fabrics designed and woven at State College by Textile students. It is expected that approximately 160 young women will take part in this event.

Colleges which have accepted the Textile School's invitation to participate in the 1937 Style Show are:

Appalachian State Teachers College, Catawba College, Elon College, Flora MacDonald College, Greensboro College, High Point College, Louisburg College, Meredith College, Peace Junior College, Queens-Chicora College, Salem College, Woman's College of The University of North Carolina.

## Ben Cone to Wed

Greensboro, N. C.—Samuel Coleman Wortham, of this city, announces the engagement of his daughter, Annie Coleman Wortham, to Benjamin Cone, second vice-president of the Cone Export and Commission Co. He is a son of Mrs. Caesar Cone, of Greensboro, and the late Caesar Cone, who with his brother, the late Moses H. Cone, founded the Proximity, White Oak, Proximity Print Works, and the large commission firm.

Miss Wortham, a native Virginian, was educated in Orange, Va., and at Salem College, Winston-Salem. The wedding is planned as a private ceremony in New York City early in April.

## Francis Garrou Will

Valdese, N. C.—The late Francis Garrou, pioneer textile manufacturer in this community, willed the income of his estate to his widow during her life. The property is then to be divided equally between his five children.

Albert F. Garrou, a nephew, and Robert O. Huffman, of Valdese, were named executors. No estimate was placed on the value of the property.

# Classified Department

POSITION WANTED as Superintendent. Practical in whole mill; technical education, nine years on combed broadcloth, plain and fancy. Also experienced on carded broadcloth, print cloth and sheetings. Address "Superintendent," care Textile Bulletin.

POSITION WANTED—Good second-hand, section-man, spindle plumber and general overhauler in spinning and twisting cotton, long and short draft. Understands help and how to keep down cost. Age 27. Available on short notice. Address "27", care Textile Bulletin.

POSITION WANTED as Master Mechanic, twelve years experience in general shop practice, village, and steam plant upkeep. Practical electrician and welder. Electrical School graduate. Address "E.C.", care Textile Bulletin.

**WANTED—SCRAP IRON**

In carload lots, F.O.B. cars, or our crew will load. Can use all grades, including heavy engines and boilers; pay spot cash. Also buy nonferrous metals. Please get our offer before selling.

C. E. Luttrell & Co.
Box 1161 Greenville, S. C.
Telephone 1447

**FOR SALE**
**Elizabeth Mill Equipment**

1 Picker room complete.
22 Dels. Drawing Frame.
12 Jack and 4 Roving Frames
6 Spoolers.
20 Twisters.
5 No. 12 and 4 No. 30 Winders.
12 Reels.
Belting, Pulleys, Shafting, Knotters, Lathes, Bobbins, Tubes, etc.
Also yarn testing machine.

S. KRAFT
312 N. McDowell St.
Charlotte, N. C.

WANTED position as superintendent of plain weave or yarn mill, twenty years experience in carded and combed goods mills, thorough practical, technical knowledge, know how to stop unnecessary waste and leaks, good manager of help. Can furnish best of references as to character and ability. Address "Economy", care Textile Bulletin.

WANTED — Good spindle plumbers and erectors. Men experienced in use of Guillet overhaulers system preferred. References required. Address "P. O. Box 191, Charlotte, N. C."

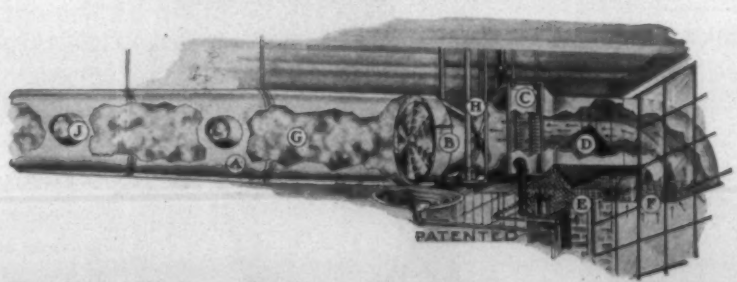
WANTED — Experienced sheet sewing room overseer. Address "SSR" care Textile Bulletin.

**Paul B. Eaton**
PATENT LAWYER
1408 Johnston Bldg., Charlotte, N. C.
514 Munsey Bldg., Washington, D. C.
Former Member Examining Corps
U. S. Patent Office

**MURRAY LABORATORY**
**Chemist and Bacteriologist**
Analytical and Consulting.
Sanitary, industrial and boiler water analyses, sizing compounds, oils and general analyses.
17 years Experience
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# Mill News Items

STAUNTON, VA.—Officials of the chamber of commerce announce that negotiations are under way for obtaining a wool scouring and rag packing plant at Staunton.

CORBIN, KY.—The Corbin Industrial Foundation has been organized to raise funds to secure the location of a proposed hosiery factory in that city. I. O. Chitwood was named temporary president.

KNOXVILLE, TENN.—Construction is starting on the new Newport Hosiery Mills building. A charter was granted to the company authorizing the issuance of $25,000 in stock. Incorporators are O. L. Clark, Robert Dennis, A. A. Haggard and N. H. Holbrook. The building will be 40 by 300 feet. The mill will manufacture infants' and children's hose.

HIGH POINT, N. C.—Directors of Adams-Millis Corp. were reelected without change by stockholders at their annual meeting here.

Following the stockholders' meeting all officials were reelected and the regular dividends of 50 cents on common and $1.75 preferred shares, payable May 1 to stockholders of record April 16, were declared, it was announced by J. Ed. Millis, president and treasurer.

MERIDIAN, MISS.—A total investment of $750,000 will be represented in the finished plant of the Meridian Hosiery Mills being erected to house sixty-eight full-fashioned hosiery machines and auxiliary equipment. The company will have an annual pay roll of $400,000. A training school, under the sponsorship of school authorities, will be in operation within thirty days. The plant will operate on a five-day 45-hour week schedule and the building will be air conditioned, officials announced.

MARION, VA.—Machinery for a temporary unit of a new manufactureing plant for Marion is being put in place on one floor of the old Lincoln plant near the Holston river. As a preliminary to the later erection and operation of a large plant, 100 sewing machines and other machinery are being installed in order to begin training women immediately. The plant will turn out almost every kind of garment, it is said.

WHITNEY, S. C.—Work on a new office building for the Whitney Mfg. Company is nearing Completion and the offices will be removed to the new quarters in about two weeks, it was learned from V. M. Montgomery, treasurer of the company.

The building is of brick construction and is being erectly directly adjacent to a warehouse north of the plant. The building will cost approximately $2,500, it was said.

Mr. Montgomery said the new building is being erected because of inadequate space resulting from the increased volume of business.

The office personnel consists of Mr. Montgomery, treasurer; Walter H. Bishop, Sr., assistant treasurer; Miss Lytle Reid, Earle Smith and Frank Parker.


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**Double Duty Travelers**

Last Longer, Make Stronger Yarn, Run Clear, Preserve the SPINNING RING. The greatest improvement entering the spinning room since the advent of the HIGH SPEED SPINDLE.




Manufactured only by the
National Ring Traveler Co.
Providence, R. I.
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**BOILER FURNACES LAST TWICE AS LONG**



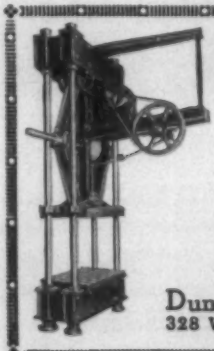
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HARTSVILLE, S. C.

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CARECO ONE-PIECE FURNACE LINING
Reg. U.S. TRADE MARK Pat. Off.

A PLASTIC LINING USED IN PLACE OF FIRE BRICK



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Motor Drive, Silent Chain, Center of Screw.
Push Button Control—Reversing Switch with limit stops up and down.
Self contained. Set anywhere you can run a wire.
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Classified Ads
Bring Results at Low Cost
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# Cotton Goods Markets

New York, N. Y.—Cotton gray cloth sales were well below priduction but prices remained firm and on many construction buyers were unable to find mills with quick deliveries to offer. Print cloths were offered in moderate quantities, at prices usually ⅛-cent below mill quotations. Heavy goods were strong and some new highs were established. Fine yarn gray cloths were less active and prices firmer.

The finished goods markets were fairly active and some prices were advanced. Printers name new prices on some percales and pillowcases made from print cloth yards were revised upward. There was some call for brown sheetings, which were lifted to a basis of 12 cents for the southern standards. Sales of wash goods were lighter but increased movement of cotton dresses and children's garments were expected to be reflected shortly in increasing demand for fabrics.

Rayon gray cloths sold in fair quantities. Lining fabrics were sought unsuccessfully for early delieveries. Finished rayons sold in steady volume.

The narrow print cloth division booked some additional business in the 32-inch 6.50-yard 64x60s for July at 6¾c. Earlier deliveries of this style were wanted at the same price, but the few mills which had spots available were reported to be holding them at 7c. On the 27-inch and 28-inch goods, some fairly large bag business was still pending, and it was thought prices were satisfactory to buyers.

The sheeting section found only minor inquiry, but prices were firm and many mills were glad to find a period of relative quiet in which to take stock of their position. Several mills were said to be in a position where they will experience additional difficulty in meeting deliveries abainst existing contracts.

| | |
|---|---|
| Print cloths, 27-in., 64x60s | 5⅞ |
| Print cloths, 28-in., 64x60s | 6 |
| Gray Goods, 38½-in., 64x60 | 8 |
| Gray goods, 39-in., 80x80s | 10¼ |
| Tickings, 8-ounce | 18 |
| Denims | 16 |
| Brown sheetings, standard | 12 |
| Brown sheetings, 4-yard, 56x60 | 9 |
| Brown sheetings, 3-yard | 11 |
| Dress ginghams | 16 |
| Staple ginghams | 12 |

J. P. STEVENS & CO. Inc.
*Selling Agents*
40 - 46 Leonard St., New York

# Cotton Yarn Markets

Philadelphia, Pa.—Inquiries have increased notably within the last few days, showing that customers are interested in a wide variety of yarns, ranging from small lots of 500,000 pound, for deliveries distributed through the next six months. Many customers are reported to be seeking to cover at the prices which were in vogue two or three weeks ago. Enough new business was taken, the suppliers state, to warrant spinners raising quotations again.

Accordingly, some distributors have been notified by their sources of a new advance of one-half to 1 cent. This lifts the published lists a trifle more. Yarns are now selling at the peak level for the entire movement. Yarn mill quotations are in many cases 1 cent or more above what is actually being paid. So far as can be ascertained, no supplier is pushing yarn for sale. Most of them are taking whatever orders are offered at prices suiting their mills. Customers frequently fail to follow up their inquiries immediately, but the majority return to the market shortly and meet the prices asked.

As an indication of the direction in which prices are pointing, several of the more dependable sources today quote 44 cents for ordinary quality 30s-2 carded warps and up to 46 cents for plush grade. In one quarter, it is claimed that the mills already have taken some business at these advanced rates.

Other spinners are asking 41 cents, basis of 30s double carded grade knitting cones. Some combed yarn producers now quote 46 cents, basis of single 30s, which early this month could be had in some volume at as low as 42 cents. These producers report taking more orders this week at 45 than they got three weeks ago at 42 cents.

**Southern Single Skeins**

| | |
|---|---|
| 8s | 30½ |
| 10s | 31 |
| 12s | 31½ |
| 14s | 32 |
| 20s | 33½ |
| 26s | 36 |
| 30s | 38 |
| 36s | 42 |
| 40s | 45 |

**Southern Single Warps**

| | |
|---|---|
| 10s | 31 |
| 12s | 31½ |
| 14s | 32 |
| 16s | 32½ |
| 20s | 33½ |
| 26s | 36 |
| 30s | 38 |
| 40s | 45 |

**Southern TwoPly Chain Warps**

| | |
|---|---|
| 8s | 31½ |
| 10s | 32 |
| 12s | 32½ |
| 16s | 35½ |
| 20s | 38 |
| 24s | 40 |
| 26s | 41 |
| 30s | 43 |
| 36s | 45 |
| 40s | 48 |

**Southern Two-Ply Skeins**

| | |
|---|---|
| 8s | 31½ |
| 10s | 32 |
| 12s | 32½ |
| 14s | 34 |
| 16s | 35½ |
| 20s | 38 |
| 24s | 39½ |
| 26s | 40½ |
| 30s | 43 |
| 40s | 48 |

**Two-Ply Plush Grade**

| | |
|---|---|
| 12s | 34 |
| 16s | 36 |
| 20s | 38 |
| 30s | 44 |

**Duck Yarns, 3, 3, and 5-Ply**

| | |
|---|---|
| 8s | 31½ |
| 10s | 32 |
| 12s | 32½ |
| 14s | 34 |
| 16s | 35 |
| 20s | 38 |

**Carpet Yarns**

| | |
|---|---|
| Tinged carpet, 8s, 3 and 4-ply | 30 |
| Colored stripe, 8s, 3 and 4-ply | 29 |
| White carpets, 8s, 3 and 4-ply | 31½ |

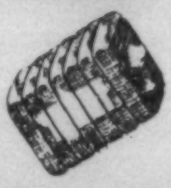
**Part Waste Insulated Yarns**

| | |
|---|---|
| 8s, 1-ply | 27 |
| 8s, 2, 3, and 4-ply | 28½ |
| 10s 2, 3, and 4-ply | 30½ |
| 12s, 2-ply | 31 |
| 16s, 2-ply | 34 |
| 30s, 2-ply | 41 |

**Southern Frame Cones**

| | |
|---|---|
| 8s | 30 |
| 10s | 30½ |
| 12s | 31 |
| 14s | 31½ |
| 16s | 32 |
| 20s | 33 |
| 22s | 34 |
| 24s | 35 |
| 26s | 36 |
| 28s | 37 |
| 30s | 38 |
| 36s | 41 |


**CRESPI, BAKER & CO.**



*Cotton Merchants*

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Eastern and Western Growth Cotton

**MI-CLEANSER**

*A Cure for Soft Floors*




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*LESS SCRUB WATER
*NO RINSE WATER
*FASTER SCRUBBING
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*HARDER FLOORS that last longer and clean easier.

Model M-2 Denison Squeegees, highly efficient to clean and dry floors $2.75 each

THE DENISON MANUFACTURING CO.
ASHEVILLE, N. C.

**A POWER DOLLAR SAVED IS A PROFIT DOLLAR EARNED**

CASCADE and SPIN TWIST brands of Leather Belting will help tremendously in accomplishing this much desired result.

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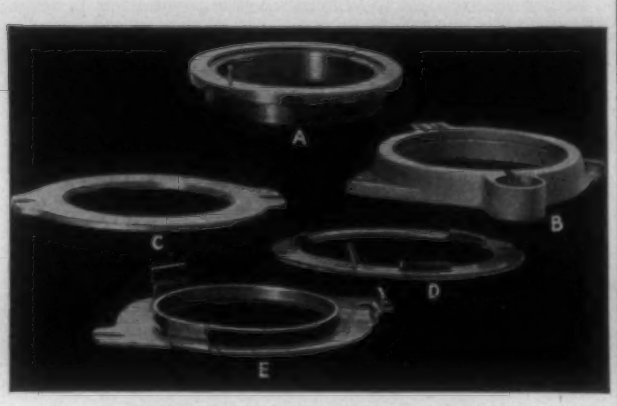
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*C. Brass holder for band ring.*
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*E. Pressed steel holder for bar traveler ring.*

## All Kinds of Ring Holders

We can furnish promptly any style ring holder you may require, in cast-iron, steel, brass or aluminum. Have your ring holders made by a RING-MAKER and you are sure of getting the proper fit and size. We work out special designs for unusual requirements.

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*Makers of Spinning and Twister Rings since 1873*

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**Sterling Ring Travelers**

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Box 78, Greenville, S. C.

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**STERLING RING TRAVELER CO.**
**FALL RIVER, MASS.**

## Reorganization of Drayton Mills Asked in 77B Plea

Spartanburg, S. C.—A petition for the reorganization of Drayton Mills under Section 77-B of the Bankruptcy Act has been filed with the clerk of Federal Court for the western district of South Carolina, it was learned.

The reorganization, J. T. Wardlaw, treasurer, explained in a statement, will provide for the capitalization of the debt incurred at the time an extension was built and new equipment installed in 1929-1930, thereby improving the mill's credit position and also improving the status of existing preferred and common stockholders.

The petition for reorganization was filed with Federal Court at Greenville. At the same time, Federal Judge C. C. Wyche, of Spartanburg, filed an order approving the filling of the petition.

The order also provides for continuing the operation of the mill under the present management and sets April 13 as the date for further consideration of the matter.

No definite plan of reorganization has been proposed.

The petition for the mill, which manufactures print cloths and other fine constructions, asked that it be allower to reorganize its financial structure.

Current assets were listed at $877,005 and its two plants and equipment at $2,190,866.

The $1,863,974 owed by the debtor on last Feb. 27 included $442,872 owed Deering, Milliken & Co. on a current account, $1,233,947 owed the same company for advance in the construction of the plant and $105,327 for current accounts payable.

Mr. Wardlaw's statement is as follows:

"The filing of a petition for reorganization under Section 77B of the Bankruptcy Laws was done upon request of the board of directors and with the consent of the mill's principal creditors. It is for the purpose of reorganizing the capital structure of the mill by way of capitalizing a large current debt, thereby improving the mill's credit position and also improving the status of existing preferred and common stockholders.

"The large debt referred to was incurred at the time an extension was built and new equipment installed in 1929-1930. The cost of this extension was never capitalized due to unfavorable financial conditions which followed the 1929 market crash.

"No statement can be made at this time regarding a definite plan of reorganization, but such a plan will be prepared and submitted to the court at an early date. Formal notice of the fining of the petition will be mailed to all stockholders and creditors at once.

"The court order provides for continuing the operation of the mill under the present management and sets April 13 as the date for further consideration of this matter. The mill will continue to operate as usual."

## R. S. Dickson Buys Control Ranlo Plant

Gastonia, N. C.—R. S. Dickson and Co., Charlotte investment firm, has purchased a controlling interest in the Ranlo Manufacturing Co., local carded yarn and tapestry plant.

From the offices of the Dickson Company in the Wilder Building in Charlotte it was announced the Charlotte

firm acquired a working control of the plant, purely as an investment and will not dictate nor share in formation of policies of the present management.

Present personnel consisting of General Manager D. R. LaFar, President E. B. Denny, and Secretary and Treasurer Julius B. Reeves, continues to direct the policies of the plant.

## Elect Gaffney Man Head of Dacotah Mill

C. L. Chandler of Gaffney, S. C., was elected president of the reorganized Dacotah Cotton Mills Company, succeeding C. A. Hunt, Jr., who has disposed of his interests after heading the company for 25 years since its organization.

John McD. Moore of Laurens, S. C., was named secretary and treasurer succeeding George W. Mountcastle, resigned.

The South Carolina group announced prior to the meeting that it held 3,000 of the 6,000 outstanding shares of stock in the company, with options on an additional 1,000. The stock is being purchased at $20 a share, the purchasers assuming taxes due and other obligations.

Moore announced after the meeting that the mill, idle for 18 months, would resume operations immediately, with preliminary work starting at once and full operation, giving employment to between 350 and 400 persons, expected within a month. Moore announced that A. F. Bruton would continue as superintendent.

The reorganization meeting followed a ruling by Judge Lewis E. Teague in High Point municipal court vacating a receivership order for the company issued earlier in the week.

## Appointment of Textile Group

Dr. Clarence T. Murchison, president of the Cotton-Textile Institute, has announced the appointment of the American members of the Japanese cotton textile industries joint committee. This committee was authorized recently after negotiations were completed between the United States and Japan whereby Japanese goods will enter this country under a quota agreement. The personnel of the committee is as follows:

Fessenden G. Blanchard, Pacific Mills, 214 Church Street, New York; G. Edward Buxton, York Mills, 40 Worth Street, New York; L. W. Chamberlin, manager of the Oska branch of the National City Bank of New York at Osaka, Japan; Paul Steintorf, United States trade commissioner at Tokyo, Japan, who will serve as an unofficial adviser pending the appointment of a fifth American member resident in Japan; and Dr. Murchison as chairman.

## Spun Rayons Lead in Fabric Demand

Philadelphia, Pa.—Spun rayons are the most popular dress fabrics for spring, piece goods section heads in Philadelphia department stores say, especially those materials made to look like linen. These dress goods are presented in a wide range of prints for spring and retailers report that volume so far in the season has been much above their expectations. The season to date has been very satifactory in all rayon goods at retail here.

**Thomas Leyland Machinery Co.**

Office & Works at Readville, Mass.

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Original manufacturers of the **MYCOCK REGULATOR CLOTH EXPANDERS** for cotton, rayon, silk, flax, and other piece goods, equipped with metal clutches, and rubber covered, the latter with special patented suction bobbins, obviating side slips and circular slip. The above for **WATER MANGLE, STARCH MANGLE, DRY CAN, CALENDERS,** mercerizing machines, and dyeing machines, also runs in connection with tenter frames. Also manufacturers of scutchers, guides, and scroll rolls.

Mycock Expander
Trade Mark Registered
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**Quality and Service PLUS**

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**The Norlander Machine Company**

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With years of service and experience to hundreds of Cotton Mills all over the United States we offer you the best Skilled Workmanship in repairing, Flyers, Spindles of all kinds, Steel Rolls, Twister Rolls and Drawing Rolls.

*OUR MOTTO*

QUALITY AND SERVICE AT A MINIMUM COST

Has realized thousands of repeated orders

# Mill News Items

SPARTA, TENN.—White County Realty Co. has leased the brick building formerly occupied by Wellwood Silk Mill, to the Spaide shirt interests of Butler, Pa., which will open a factory employing about 400 workers.

BURLINGTON, N. C.—One dozen modern knitting machines will be installed in the new plant of the Sellers Hosiery Mills. This company now has under construction additional buildings at a cost of $150,000 including machinery.

AMERICUS, GA.—M. Roughgarden, resident manager, states about 300 workers are scheduled to constitute the personnel of the Manhattan Shirt Co. local plant within the next few months. Work is under way on the installation of 25 additional machines.

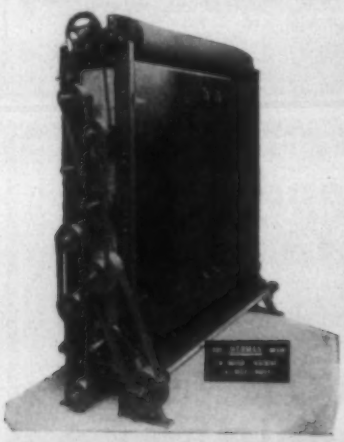
PELZER, S. C.—Changes announced at the Pelzer Manufacturing Co. are as follows: Claud Kay, formerly of Draper, N. C., has become superintendent of the weaving divisions units Nos. 1, 2, and 3; W. L. Graydon has been appointed superintendent of the carding division of the Upper Mill, formerly known as the No. 4 units of this company. He was promoted to the position. H. B. Bunteon has been made superintendent of the weaving division of the Upper Mill, and Jim Pickelsimer has been appointed assistant to the superintendent of the day weaving department of the Upper Mill.

ROCK HILL, S. C.—I. J. Royce, Southern representative of the Royce Chemical Co., Charlotte, N. C., announced the company had purchased the Helen Mill property at Rock Hill, S. C., to house a branch plant. He said remodeling and installation of equipment would begin immediately.

The property was purchased from A. G. Meyers, as receiver of Textiles, Inc., of Gastonia, N. C., for $5,000.

Operations of the plant will consist principally of the sulphonation of oils and tallows to be used in finishing cotton goods, it was stated.

The sale was authorized by Judge E. Yates Webb in an order filed in the Federal Court in Charlotte, N. C.

**Brushes Anything from Print Cloths and Light Sheeting to Heavy Duck**

**This eight roll vertical brush with V-belt drive removes leaf, motes, trash, loose dirt and foreign matter from any kind of cotton goods. Instantly adjusted for heavy or light brush. All standards widths. Any number or combination of wire or fibre brushes or coarse or fine garnet covered rolls. Operates with a minimum of power.**

***One of the Famous Line of Hermas Clothroom Machinery***

**HERMAS MACHINE CO.**
Hawthorne, N. J.
Represented by
Carolina Specialty Co. Charlotte, N. C.
Unisel, Ltd. Manchester, Eng.

HERMAS

GET IN STEP with Textile Progress
Equip with ITS A TRADE MARK SIPP EASTWOOD Efficient

SIPP-EASTWOOD

• CREELS-WARPERS-WINDERS •

and other machines designed to meet today's demand for

SPEED WITH QUALITY

SIPP-EASTWOOD CORPORATION PATERSON, New Jersey

# Mill News Items

GADSDEN, ALA.—At the Gadsden unit of the Goodyear Tire & Rubber Co. work has been under way on the construction of a two-story addition to warehouse No. 3, which will measure 100 by 100 feet. This building program is expected to represent an expenditure of about $90,000.

---

EAST MAIDEN, N. C.—In the Campbell Building, a new knitting mill has been opened headed by Frank Campbell and A. C. Black. The Lincoln Knitting Mill has moved into the Harrellson Building.

---

HICKORY, N. C.—Twenty-four new spinning frames are being installed in the Shuford Mill Co. plant, replacing the older type frames, which have been in use. A. Alex Shuford, treasurer of the Shuford Mill Co., stated that approximately forty-five days would be required to install these frames from the time the work was inaugurated. The work is scheduled to be completed and all of the new spindles put into operation this month.

---

WHITNEY, S. C.—The Whitney Manufacturing Co. has had a modernization program under way, including the equipping of their spoolers and warper and warper creels with the vacuum lint and dust collector furnished by the Textile Shop of Spartanburg, S. C. It is announced that this entire system is being handled by one fan and all lint and dust is filtered from the air, and the air is recirculated.

---

ROME, GA.—At the new hosiery industry, the Spotlight Hosiery Mill, Inc., where the company recently began the manufacture of sample hosiery, is scheduled to reach full production at an early date when between 250 and 300 operatives will be employed. This new company is engaged in the manufacture of women's 70-gauge circular knit hose.

---

MARTINSVILLE, VA.—Additional operative are being added to the pay roll of the Atlas Silk Mill, it is announced here. This mill recently began operations after having been closed down since June, 1936, with twenty-five employees on the pay roll, and this number is being gradually increased from week to week until within the next few weeks the plant is expected to reach a full production with approximately 125 operatives on the pay roll.

---

GASTONIA, N. C.—Business of the local cotton waste firm of Kennington & Finn will be taken over immediately by a new firm to be known as Gray, Gore, and Daniels, it was announced. The new firm is made up of C. D. Gray, Sr., of Gastonia, J. S. Gore of LaGrange, Ga., and W. A. Daniels of Gastonia. Messrs. Gray and Daniels have been associated with the local office, and will continue in Georgia. Mr. Gore will continue as manager of the LaGrange office of the same firm. Grady Kennington, senior member of the firm, died at his home in Gastonia recently. John Finn, the other partner, died about a year ago.


*Twelfth*

**SOUTHERN TEXTILE EXPOSITION**

✦

**TEXTILE HALL**

**GREENVILLE, S. C.**

**APRIL 5 TO 10**

✦

The leading manufacturers in the United States will exhibit new and improved machinery, installations, accessories, and supplies.

Interesting technical and mechanical meetings will be held during show week.

Low railroad rates are now in effect. From Greensboro on the north, and Atlanta on the south, there will be nightly Pullman service. These cars will be parked in Greenville next day, and returned at midnight.

Improved highways from every section of the South lead to Greenville. Please write Rooms Committee for reservations. All visitors may obtain comfortable quarters.

**TEXTILE HALL CORP.**

*Remember the Dates*

**APRIL 5 to 10**

# Mill News Items

High Shoals, N. C.—At the No. 3 unit of the Jackson Mills, the mills are operating at capacity. The mills have been idle until a few months ago when they were put into operation after being taken over by new interests. The company houses have all been renovated and painted white, and the village now presents a most attractive appearance.

---

Greenville, S. C.—Three past due dividends on preferred stock, amounting to about $50,000, were authorized for payment recently by the board of directors of Judson Mills. The money will be paid March 27 to stockholders of record March 23.

---

Waco, Tex.—Owned and operated by Leo A. Gilbreath and Tom Maris, the Gilbreath Manufacturing Co., has been moved from Columbus, Tex., to Waco. The firm manufactures silk, rayon and cotton underwear for women and children. Present capacity is 75 dozen per day, this to be increased to a daily output of 225 dozen.

---

Mount Holly, N. C.—New machinery which will be installed in the new addition to the Woodlawn unit of the American Yarn & Processing Co., now under construction, will include 4,000 spindles, 16 cards and 6 combers. When the addition, which will be 80 feet, has been completed and the machinery installed the capacity of the plant will be raised by 50 per cent.

---

East Flat Rock, N. C.—Chipman, Inc., has been established to manufacture, sell, buy and deal in all kinds of hosiery, yarns, silks and other knitted goods under authorized capitalization of 1,000 shares. Ninety shares have been subscribed by Charles E. Chipman, E. Brand Beacham of Easton, Pa., and Harry E. Katezenmeyer of Hendersonville, N. C.

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South Pittsburgh, Tenn.—A new company has been established in South Pittsburgh by Henry Ellis, founder of the Ellis Hosiery Mill, and R. R. Carter, former secretary of the Aycock Hosiery Mills, which ceased operation about a year ago. The company will be the Ellis Carter Hosiery Mill and will operate sixteen machines with a capacity of from 150 to 200 dozen pairs of hose per day. It will specialize in anklets and men's half hose.

---

Bristol, Tenn.—Officials of the chamber of commerce state that negotiations for the establishment of a rayon mill employing 300 persons are "practically complete." The new mill, according to Secretary W. A. Huddleston, will be in operation about September 1. Mr. Huddleston said that a brick and steel building will be erected on Eighteenth street, on the Tennessee side, partly financed by outside capital, for the first unit. Later the plant probably will be enlarged, he added. The Bristol Industrial Corporation has been organized to raise local capital to finance the new project.

Concord, N. C.—Textile Sales Corporation, of Concord, has obtained charter to sell chemicals, chemical appliances and textile commodities. Thomas H. Webb, C. W. Byrd, and Elizabeth Webb Ridenhour, all of Concord, subscribed $300 of the $50,000 stock.

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Morganton, N. C.—Stockholders of the Morganton Full Fashioned Hosiery Co., at their annual meeting, heard reports of successful operations during 1936. The following 13 directors were reelected: E. W. Phifer, H. L. Riddle, R. O. Huffman, H. L. Miller, A. Leslie Harwood, Jr., Dr. J. B. Riddle, R. G. Presnell, Alfred Hoffmann, of New York, W. C. Ervin, P. V. Watlington, H. L. Wilson, J. F. MsGimsey and A. C. Chaffee.

The two vacancies created by the death of Charles E. Kistler and Francis Garrou were not filled.

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Rome, Ga.—A survey reveals that practically all of the textile manufacturing establishments throughout Floyd County are operating on schedule of 24 hours daily and much optimism prevails in textile and business circles. There are seven textile manufacturing plants here in addition to other styles of manufacturing establishments.

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Leaksville, N. C.—The work of moving the machinery and equipment of the Velour Mill of Marshall Field & Co., which has been located in Philadelphia, Pa., where it has operated for a number of years, to Leaksville, has been completed and the machinery has been put into operation, according to an announcement made by Luther Hodges, production manager of Marshall Field & Co. The unit is housed in what was formerly the warehouse space of the Bedspread Mill. It is stated here that included in the new unit is a starching department, thirteen broad looms and four weaving units for velours and upholstery fabrics. Quite a number of additional operatives have been added to the pay roll of Marshall Field & Co. with the inauguration of operations at the velour mill.

---

Lynchburg, Va.—Although no additional figures are available, it is understood that the earnings of Consolidated Textile Corporation are now showing improvement and that operations at the three reopened mills in the South are proving satisfactory. The full report for the year 1936 is expected to be made public at the next hearing on the reorganization plan on April 2.

A third plan of reorganization was presented at the hearing before Referee Olney. The plan calls for issuance of $1,500,000 of common stock and a new first mortgage bond amounting to 50 per cent of the face value of the old bonds outstanding.

Counsel for the corporation stated that he would apply to the court within a few days for permission to sell the company's Union Mills at LaFayette, Ga., and the Henderson Mills at Henderson, Ky. Offers of $100,000 have been made for each plant.

Consolidated Textile's 8 per cent bonds were quoted over the counter recently at 50-52.

## Plans Are Complete for Opening of Textile Exposition

*(Continued from Page 15)*

thusiastic in their praise of the efficient manner in which these events are conducted, down to the very smallest details. It is generally recognized that this could only result from careful planning and foresight on the part of those in active charge, and a large share of the credit is rightfully accorded W. G. Sirrine, president of Textile Hall Corporation, and Miss Bertha M. Green, secretary, under whose capable direction the work is carried on. Mr. Sirrine has been in active charge of the Expositions since 1920, and John A. McPherson, who contributed much time and effort to the establishment of these events, has served as vice-president during this period.

Directors of the corporation are: John W. Arrington, S. M. Beattie, Cason J. Callaway, W. W. Carter, Thurmond Chatham, Donald Comer, Herman Cone, Robert I. Dalton, B. E. Geer, B. B. Gossett, R. E. Henry, Edwin Howard, George H. Lanier, H. A. Ligon, J. Spencer Love, T. M. Marchant, John A McPherson, J. E. Sirrine, William G. Sirrine, and F. O. Tyler.

### The First Show

Plans for the first Southern Textile Exposition were launched at a meeting of the Board of Governors of the Southern Textile Association, held in Greenville in 1912, and resulted from a suggestion made at that meeting by David Clark, editor of Textile Bulletin, who pointed out to the Board the success of the Boston shows and the desirability of providing some place in the South where textile machinery could be exhibited.

The first Exposition in the South was held in 1915 in the warehouses of the Piedmont and Northern Railway. Out of this first Show came the idea of a permanent structure and the present Textile Hall was erected in 1917.

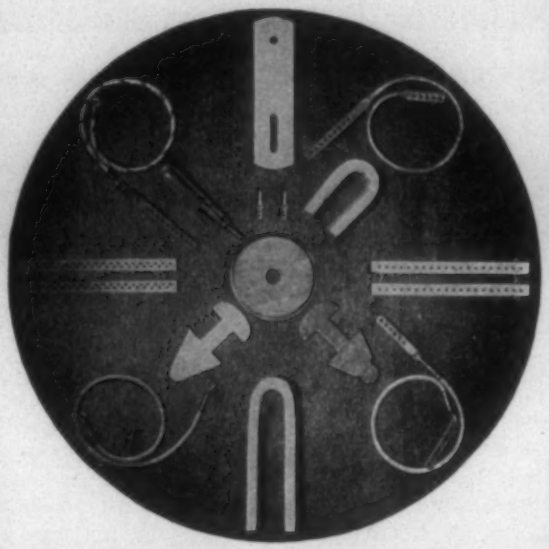
Throughout the years, the Expositions have enjoyed the continued wholehearted support of the Southern Textile Association, which organization made possible the inauguration of what has now become one of the nation's largest industrial exhibitions.

The management has asked Textile Bulletin to express its thanks to the textile machinery and equipment manufacturers for their generous support of the Show and to extend to all persons engaged in the textile industry a cordial invitation to attend the 1937 Exposition, which in all respects should certainly be one of the most interesting and instructive yet held.

## Dixie Textile Supply Co. Organized

The Dixie Textile Supply Company acting as manufacturer's agents has been organized with offices at Greensboro, N. C. Mr. Joe Clement, formerly with the Pomona Mills is in active charge. These people are to specialize in silk throwing mill supplies, having exclusive sales rights in the South on McHale's Ready-Form flyer wires, flyer blocks, etc. Also the Wayne Manufacturing Company's line of separators for spinners and 5-B machines, winding spindles of all kinds, gudgeon pins, etc., and a line of shuttles, quills and bobbins.

Rice Dobby Chain Co.



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GARLAND MFG CO.
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Chemicals
For
Best Weaving

A Company is
Known by the
Customers It
Keeps

# Good "Cover" on Plain Fabrics

One of the most important and difficult problems which confronts the weaving overseer is the production of "well covered" plain fabrics. A "well covered" cloth has a full, uniform appearance, the warp and filling threads being spread out equidistant from each other in accordance with their particular setting. The opposite to a well covered cloth is a "reedy" or "bare" fabric, in which the warp threads show up in pairs either for the full width or a portion of the width of the cloth. "Reediness" is particularly prevalent in connection with low or medium quality goods where the warp threads are usually drawn through the reed dents in pairs. In these fabrics the pairs of warp threads are very liable to retain the formation they acquire in the reed dents during their passage from the harness to the "fell" of the cloth. With better quality goods the tendency to produce a "reedy" fabric is not so great owing to the greater number of threads per inch and the correspondingly thinner reed wires which are used.

In order to obtain a cloth with good "cover," the warp threads must be adequately spread during the beat up of the filling and this can, of course, be secured in various ways; these will be described later. It has to be remembered, however, that the spreading of the warp threads is governed, apart from the cloth setting, by several factors. These are, the relative position of the two lines of warp at the beat up, the tension on the warp sheds and the action of the filling.

In plain weaving the shedding motion is usually timed so that the harness are level and the warp shed closed when the loom cranks are at top centre, the treadles being level at the same time. To improve the cover of the cloth the shedding can be timed about 10° of the crank earlier than usual, in which case the warp shed will be almost, if not altogether, fully open when the reed is in contact with the fell of the cloth. Further, the two warp lines will have crossed to form the following shed, a considerable time before the reed beats up the filling into the cloth. These factors facilitate the rolling action of the filling, which tends to distort or open out the warp threads underneath the pick of filling being forced into the cloth. It can be stated, therefore, that the tendency to spread the warp threads is greater in early shedding than in late shedding.

It should be remembered, however, that it is not always advisable to adopt early shedding as in this case an additional strain is placed on the warp threads. This is due to the shed being fully open at the beat-up and therefore with the yarn under its maximum tension. In addition, the reed has to beat up the pick of filling to the fell of the cloth after the sheds have crossed. Further, early shedding usually necessitates the early picking of the shuttle; this is sometimes impracticable and, in general, is detrimental to good weaving. Early shedding is also liable to cause uneven selvages.

In order to improve the "cover" of plain fabrics it is usual to have the centre of the harness, when the latter are level and in a closed position, just below a straight line drawn from the whip roll to the breast beam. This causes the top line of the warp to be slacked than the bottom portion. This feature is illustrated at Fig. 1, which shows a side elevation of the harness, whip roll, breast beam and the line of warp. The straight line A is drawn from the breast beam B to the whip roll C. The centres of the harness when level are on the line B, D, C, the point D being depressed below the line A. When the harness are fully open as shown in Fig. 1, it will be clearly seen that the upper warp line E is slacker than the lower warp line F. If it is not practicable to lower the harness to the position shown in Fig. 1, the same effect is obtained by either raising the whip roll C or the breast beam B, although it is generally preferable to lift the former. By reducing the tension on the top line of the warp shed, there is less tension on the warp threads underneath each pick of filling as it is beaten up, and as the filling at the time of beat up has the greatest "spreading" effect on the threads underneath it, a good "cover" is obtained. When the reed G beats up the filling, the slack warp threads underneath the filling are spread between the tight ends over the filling.

A disadvantage of this method of securing "cover" is that the full strain on the completely opened warp shed is borne by the bottom line of threads, thus tending to cause warp breakages. A further disadvantage is that the top line of warp shed (which is in a slack condition) is liable to come into contact with the shuttle as

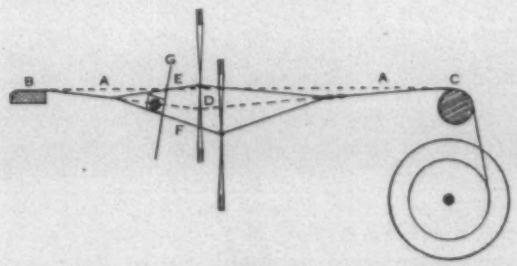



*Fig. 1*

the latter travels through the warp shed. This might result in the breakage of the warp ends or the shuttle travelling over the top warp shed and causing either "mispicks" or "flying out" of the shuttle.

The position of the lease rods or drop wires also influence the tension on the top and bottom warp sheds and, thererfore, the amount of "cover" obtained. To secure a well covered cloth the lease rods or drop wires should be situated nearer to the whip roll than to the harness, in which case the tension on the top warp line will be decreased and an effect similar to the lifting of the whip roll obtained.

The shape of the shedding cams also has a considerable influence on "cover." A cloth of better appearance can be obtained when cams with a longer "dwell" period than the usual one-third of a pick, are used. In this case earlier opening of the warp sheds take place and a more fully opened shed is obtained at the beat up. In ad-

dition, weaving can take place with less tension on the top warp sheds and without shedding troubles such as the shuttle fouling the top shed occurring. Thus the use of cams with a "dwell" of about half a pick greatly facilitates the securing of a well covered cloth. It must be borne in mind, however, that although a good "cover" can be obtained with cams with a comparatively longer "dwell," the changing action of the harness in this instance is correspondingly quicker and the fact might result in additional warp breakage during weaving, especially if the loom is operating at a high speed or is producing a flimsy type of fabric.

"Bare" or "reedy" places often occur at the sides of the cloth and in the places where the material is held by the loom temples. This fault can usually be remedied by raising the adjustable bar to which the temples are attached. This raises the temples and the tension on the top line of the warp shed it thereby reduced.

Although it is generally admitted that a well covered cloth is very desirable, it is often striven after to an extent which in many cases exceeds reasonable justification. It will be quite evident after a perusal of this article that greater strain has to be imposed on some of the warp threads to bring about an improvement of "cover." It should be emphasized, therefore, that in all cases where better "cover" is desired, full consideration should be given to the nature of the yarns used in order to ensure that the improvement is obtained without seriously impairing the weaving qualities of the yarn or the production of the loom.

—*Textile Recorder.*

## Lancashire Gets Up-to-Date Automatic Cotton Mill

Continuing the latest improvements in textile machinery from five countries, a mill at Bolton, Lancashire, represents the latest automatic production in the British cotton industry, according to Industrial Britain.

Messrs. Tootal Broadhurst Lee Co., Ltd., are responsible for the enterprise and are spending about £100,000 in reorganizing their Sunnyside mill at Bolton. There will be 1,300 automatic looms, with the latest inventions in high-speed preparatory machinery. Skilled male operatives will be in charge of batteries of automatics, ranging from 12 to 24 looms each.

Experiments with 400 automatic looms have been so successful that the firm decided upon the complete modernization of the mill, and experts have visited textile machinery works in various parts of the world to secure an ideal combination of machines for their particular plans. The installation will be completed and high-speed production embarked upon before the end of February.

Mr. A. W. Smith, a director of the firm, stated:

"The mill will be as near as possible to automatic in every department and will be one of the most modern in the world."

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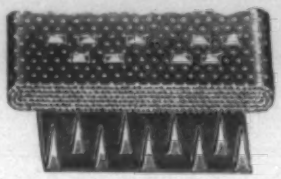
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**WALKER**
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Atlanta, Ga.


## Exhibitors at Textile Exposition

*(Continued from Page 19)*

| | |
|---|---|
| Mathieson Alkali Works, The | 469-470 |
| McLeod Cos. | 423-426 |
| McLeod Leather & Belting Co. | 423-426 |
| Merco Nordstrom Valve Co. | 345 |
| Merrow Machine Co., The | 225-A |
| Mexico Refractories Co. | 344 |
| Miller Co., The | 133-B |
| Monroe Calculating Machine Co., Inc. | 225-G |
| Morse Chain Co. | 358 |
| Myles Salt Co., Ltd. | 325 |
| National Ring Traveler Co. | 348 |
| New Departure, Div. General Motors | 464 |
| N. Y. & N. J. Lubricant Co. | 109 |
| Noone, Wm. R. & Co. | 423-426 |
| Norma-Hoffman Bearings Corp. | 453-454 |
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| Plibrico Jointless Firebrick Co. | 438 |
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| Protective Life Ins. Co., The | 318 |
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| Reeves Pulley Co. | 240-241 |
| Republic Steel Corp. | 473-476 |
| Rhoads, J. E. & Sons | 245-246 |
| R. I. Warp Stop Equipment Co. | 125-A |
| Ridge Tool Co., The | 110½-A |
| Robinson, Wm. C. & Son Co. | 105 |
| Roy, B. S. & Son Co. | 207 |
| Saco-Lowell Shops | 226 |
| Sarco Co., Inc. | 429 |
| Sherwin-Williams Co., The | 401 |
| Simplex Valve & Meter Co. | 339 |
| Singer Sewing Machine Co. | 232-233 |
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| S K F Industries, Inc. | 467-468 |
| Smith, Drum & Co. | 125-B |
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| Socony-Vacuum Oil Co., Inc. | 355 |
| Sonoco Products Co. | 103 |
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| Whitin Machine Works | 251 |
| Whitinsville Spinning Ring Co. | 203-B |
| Wolf, Jacques & Co. | 326 |
| Yale & Towne Mfg. Co. | 321-322 |

# Mill News Items

MACON, GA.—The Bibb Mfg. Co. will pay a dividend of $200,000 upon its 200,000 shares of common stock on April 1st.

SANFORD, N. C.—The Sanford Cotton Mills are renting the Guillet Overhauling System from the Dixie Spindle and Flyer Co., Inc., Charlotte, N. C.

MONROE, N. C.—The Union Mills Co. are having their machinery overhauled by the Dixie Spindle and Flyer Co., Inc., of Charlotte, N. C.

WINCHESTER, S. C.—Oconee Mills, Inc., have recently purchased $75,000 worth of additional equipment, secured through Walker Engineering Co., Inc., who also installed and erected this equipment.

ROCK HILL, S. C.—The Highland Park Mfg. Co., of Rock Hill is having "No Drip" Slasher Hoods installed on their slasher units. These hoods are made and installed by The Textile Shop, Spartanburg, S. C.

ATHENS, GA.—The Athens Mfg. Co., is having its Spinning rolls equipped with the Guillet Taper Fitted Neck, work being done by the Dixie Spindle and Flyer Co., Inc., of Charlotte, N. C.

GREENVILLE, S. C.—The F. W. Poe Mfg. Co., of Greenville, has had the Textile Shop, Spartanburg, S. C., design filters and install exhaust system from their Hermas Shearing machines to the filters.

SALISBURY, N. C.—The Bridges Manufacturing Co. of Salisbury received a charter of incorporation from Secretary of State Thad Eure to manufacture cotton mill machinery and other mechanical devices under an authorized capital stock of $400,000.

ELKIN, N .C.—Work is going forward rapidly on the construction of a new addition to the main building of the Chatham Manufacturing Co. The length will be 74 feet and the width 112 feet, the looms will be installed on the first floor, with the spinning and carding machinery on the other floor.

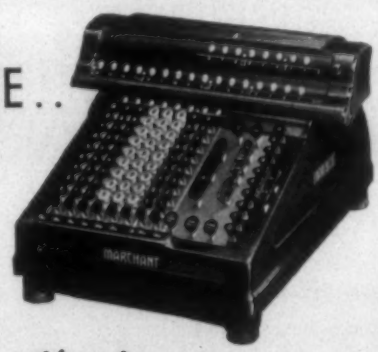
OZARK, ALA.—The Cowikee Cotton Mills have been undergoing a modernization program which included the replacement of all old machinery, doubling the number of spindles and repairs to the mill buildings and village dwellings. In the building all old machinery has been replaced and the number of spindles increased from 5,916 to 9,444. New flooring was laid and painting done where necessary. Forty-four dwellings of the mill village were repaired, painted and screened. The Cowikee Cotton Mills acquired this unit in November 1935, after the mill had been closed for sixteen months. Weaving yarns 14-1 and 26-1, are manufactured and shipped to Eufaula, Ala., where another unit of the company is located and where cloth is woven.

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## The Joys of a Cotton Mill Master Mechanic

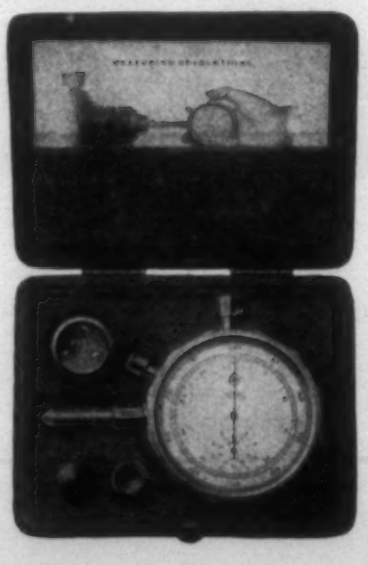
*By A. T. D.*

O. T. Willing (the name is fictitious)
Was a man who was never at all superstitious,
But a dream that he had is direct intimation
Of his faith in the doctrine of predestination.
Now, the said O. T. Willing, please bear in your mind,
Was a first-class mechanic, who, like all of his kind,
Had trials and troubles too many to state;
And with this introduction, his dream I'll relate.
A spirit appeared at his bedside one night,
Decked out in a garment of pure spotless white,
And thus addressed Willing: "To me has been given
Command from the Recording Angel in Heaven,
To ascertain why 'tis your name should appear
On the great Book of Life, as the reason's not clear.
The profanity record has been kept for ages,
But none equal to yours has appeared on its pages.
Therefore 'tis decided unless you can show
Just cause for defense to send you below,
Where the fire is unquenched, and those who never
Repented are roasted for ever and ever."
On hearing this message, Willing tried hard to smile,
And invited the spirit to tarry awhile.
"If I fail to make my defense in full measure,"
He said, "I'll be sentenced with greatest of pleasure.
Please remain here tomorrow, accompany me,
And report to headquarters whatever you see."
The spirit agreed, I am happy to say,
And took notes of what happened the following day.
First a conceited young clerk with expression satanic,
Brought a bundle of letters to the master mechanic;
And here a few extracts I'll give as example
Of the bunch that the spirit took away for a sample.
"Please note that the superintendent inquires
The cause of your using so much coal in your fires."
"Please let me know what excuse you can make
For having so many loom parts to break.
The cost in dollars per loom last year was seven,
We find that this year it's gone to eleven.
You must take up the matter and ascertain why
We used so much oil in the month of July;
You are surely aware that a gallon to use
For ten hours' run is simply abuse.
I believe 'twould be wise (at least we might try it)
To give the men feathers with which to apply it.
The president will possibly be here before long,
And what he beholds will be like a glad sweet song."
With a note from the spinner, a boy come tearing
"Send a man up here quick, we have a burnt out bearing."
"Bill stop your lathe and tackle this job,
We must try and pay Paul if Peter we rob."
A fireman appears just then at the door:
"Have a very bad leak in boiler No. 4."
Next comes the carder all swelled like a toad,
You'd think from his looks he'd surely explode,
And asks loud in the name of the evil one:
"Why ain't the work on my pickers been done;
I sent down the parts most an hour ago.
It seems to me that some people are slow."
A note from the weaver is laid on the desk:

"Hurry that welding; have two looms at rest.
Where in sheol is the humidifier man?
Hustle him around soon as you can;
Some of the heads are working well
While many others are just raising h—."
Bill comes back from the bearing repair
With a look on his face that don't lessen your care;
"Say, boss, how about raising my pay,
I'm only getting 40 against Ben's 50 per day."
Just get him cooled down and think about dinner,
When here comes another howl from the spinner:
"Say, if I don't get them gears I'll just stop the work;
If you can't get them ready, hire another clerk."
"Oh, go back to your room; you don't make me afraid;
Before you get those gears a pattern must be made."
Before the good spirit got through taking notes
From the book containing the work reports,
Came a note from the office marked "In haste"
"Fire inspector is here. Clean up the place,
See that all fire pails are full;
Go around with this man and 'shoot the bull'."
The spirit departed, but on the same night
Presented to Willing a most astonishing vision
With a copy of the Recording Angel's decision,
And a list of the great hero saints all revealed
With O. T. Willing's name leading the field.

## Will Distribute Hasler Speed Indicators

The Greenville Textile Supply Co., Greenville, S. C., and the Odell Mill Supply Co., Greensboro, N. C., recently announced plans to distribute Hasler Speed Indicators in the Southern states, and are now in position to serve their customers on this line.



The Hasler Speed Indicator is a scientific instrument designed for practical, direct measurement of machine speeds, either in revolutions or feet per minute. The Hasler is said to be used in research and experimental laboratories, and by manufacturers and users of electric motors, engines, centrifugal pumps, textile machinery, and other places where speed must be controlled for successful operation.

Hasler Speed Indicators will be on display at the Greenville Textile Exposition April 5 to 10, by Greenville Textile Supply Co., and Odell Mill Supply Co.

## Output Shows Big Gain

Washington, D. C.—Textile production has been maintained at a high rate during January and February and is considerably above the output in the same two months of 1936, according to the Bureau of Foreign and Domestic Commerce.

"With mill work so active at the year end," it was stated, "after a rapid increase in the final quarter of the last year, the marked seasonal increase usually experienced in January did not occur. The seasonally corrected index declined from the December figure of 139 (1923-25 equals 100) to 124, the latter figure being above every monthly index for 1936 except December.

"Rayon mills continued to operate at capacity in January. Producers' stocks have remained very low, and the manufactured yarn and staple fiber has moved directly into consumer channels. Cotton mill activity recorded a small gain in January as compared with December. Daily average output, as indicated by the data on cotton consumption and spindle activity, was at the highest level on record, the business survey pointed out. During the first half of February consumption held steady at the January rate, according to the weekly estimates.

"The marked rise in the production of cotton goods has been accompanied by a steady rise in cloth prices and sharp increase in manufacturers' margins. With improved profit possibilities, spindles which have been idle for a long period have been returned to service. In January, 89 per cent of all the spindles in place were used some time during the month.

"Output of woolen mills was lower in January than in the preceding month but was still above any 1935 month with the exception of December. Usually activity increased in January as compared with December."

## Plan Addition to Dye Plant

Charlotte, N. C.—The Southern Dyestuffs Corporation, which opened operations in its new $200,000 plant at Sodyeco in Mecklenburg County almost a year ago, announced a plan for building a plant addition which will increase its production capacity by one-third.

Announcement was made by John L. Grist, president of the company. He said detailed plans for the addition have not been completed.

He explained that it looks as though the activity in the textile industry will continue at the present satisfactory rate for an indefinite period. The mills, he said, are most optimistic over the outlook for future business.

The Southern Dyestuffs Corporation is the only dyestuffs manufacturing concern with a factory in the entire South, according to Mr. Grist. In the year since it was established, its business has been most satisfactory, he said.

## Hybridizing of Cotton

Florence, S. C.—In the work of producing new types of cotton which will give better yield than present varieties now planted in the South, nearly 2,000 crosses were made recently between varieties of upland cotton and a new strain of extra long staple Sea Island cotton, the pollen of which was shipped 600 miles from Puerto Rico to an experiment station at Florence.

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# Mill News Items

WADESBORO, N. C.—Much new equipment has been installed in the Wade Manufacturing Mill, which includes new cleaners for picking and napper rooms, also a new dye plant unit. There are also vacuum extractors and eight Port driers. The beams, packages and cones are dyed.

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MARION, N. C.—J. Grayson Neal says that the Marion Hosiery Mill, of which he is general manager, has been filling the largest single order for hosiery ever shipped out of Marion.

Mr. Neal said that recently his mill had shipped to one of the large chain stores 57,000 dozen pairs of hose in ten days, and that the total included 19,000 shipped away in one order in a single day.

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THOMASTON, GA.—Thomaston Cotton Mills will pay its regular dividend of $1.62½ a share on 28,883 shares of 6½ per cent cumulative preferred stock, and an additional $8 a share on accumulated dividends which it has not been able to pay in the past. This company was $24 in arrears on its preferred shares, but with this payment the arrears is cut to $16 and the current dividend is taken care of. The total payment is $277,977.88.

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RAEFORD, N. C.—The Morgan Mills' Raeford plant now has a complete three-shift pay roll, and runs 24 hours daily, running from 6 A. M. Mondays till 12 o'clock Saturday nights, which makes the total time for the three shifts 138 hours a week.

This Raeford plant is one of seven mills owned by the Morgan, and the increased number of laborers needed in the local mill develops a need of increased housing in Raeford.

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SHELBY, N. C.—The Ella Division of the Consolidated Textile Corporation, which resumed operations around the middle of January, after having been closed down since July, 1935, has about gotten into full production, it is stated. The local unit began operations with two forty-hour shifts in the manufacture of print cloths. It was stated at that time that machinery was being cleaned up and many other jobs were under way, which would have to be completed before the unit would be able to be in full operation, which would require some weeks. This work has been practically completed. In the ninety-five dwellings of the village, operatives have been moving in to begin work in the mill.

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GRENADA, MISS.—Local interests are optimistic over the prospect of securing a new hosiery mill. It is understood that the establishment of a new plant is assured when Grenada supplies the building, the title of which will be held by the city. According to officials of the local chamber of commerce, arrangements for the location of a factory here that will guarantee a minimum pay roll of $80,000 "are rapidly being pushed." The minimum pay for trained operators would be $15 weekly, it was said.

## Veeder-Root Plans To Increase Capital

Hartford, Conn.—Directors of Veeder-Root, Inc., proposed increase in capital of company from present 75,000 shares of $25 stock to 100,000 shares. New stock is to be issued in ratio of one new for each three held, at $40 a share. Stockholders will vote on directors' recommendation at a meeting April 15.

The $1,000,000 in new capital is to finance plant expansion now in progress. It also will provide for maintaining and strengthening company's liquid capital position.

Graham H. Anthony, president, in letter to stockholders, points to the expanding volume of business since 1933, which has necessitated increasing manufacturing facilities. Thes expenditures to date have been covered by current earnings. Tax situations, Mr. Anthony said, as they now prevail, make it advisable to finance expansions by capital increase.

## Warns on Hosiery Government Bids

The following warning to prospective bidders among the hosiery industry for Government contracts, has been issued by the National Association of Hosiery Manufacturers.

"Invitations to bid on a Government contract for the manufacture of 950,000 pairs of cotton socks and 1,310,000 pairs of light woolen socks were issued recently by the Philadelphia Quartermaster Depot, United States Army, Philadelphia, Pa.

"Any hosiery manufacturers bidding on present Government contracts should keep in mind that such contracts must be manufactured in conformance with the stipulations and representations of the Walsh-Healy Government Contracts Act which deals with hours, wages and working conditions. A copy of the requirements is included with each invitation to bid. However, minimum wages under this act have not yet been established by the Secretary of Labor for the hosiery industry."

In addition, each manufacturer bidding on such Government contracts should not overlook certain facts when preparing his bid. In the first place, this contract calls for deliveries over a period of five months, and the manufacturer, in establishing his price, should not only keep in mind any known increases in costs, for social supplies, but also he should not be unmindful of possible increases in costs due to Federal legislation dealing with hours, wages and working conditions, labor difficulties or other such matters beyond their control.

"The contract with the Government does not provide for an adustment in price due to the above causes, as was pointed out in an article on this matter in the December 23, 1936, issue of the Special News Letter."

## Fabric Slippage to Get Attention by Finishers

Just as synthetic resin finishes are being used in rayon and spun rayon fabrics to increase their resistance to wrinkling, the new chemical finishes being developed to reduce slippage in fabrics will become important was an opinion heard recently in the market.

It was admitted by the textile men commenting on the matter that much of the slippage in various types of fabrics, including rayon could be reduced by improvement or changes in construction. However, he pointed out that there were a great number of cloths which because of their character slipped badly.

A recent survey of rayon and silk fabric serviceability showed that slippage and evils closely associated with it were by far the most important reason for consumer complaints with both ready-to-wear and yard goods.

It is now believed that the market will shortly see a number of finishes designed to anchor the yarns fairly firmly in the proper place, thus preventing slippage while, at the same time, not giving the fabric any appreciable change of hand, surface, color or weight.

This market observer pointed out that finishes should be permanent, because many fabrics do not slip immediately but after washing or cleaning. Further, they should add nothing appreciable to the fabric in the way of weight lest they stop one evil and create another.

## Glass Textiles' Main Application Is Mechanical Use

Glass textile yarns when woven into fabrics are finding their greatest present day application for chemical filtering and for electrical insulation although it is not a far step to coloring them and producing fabrics for hotel tapestries and theatre curtains where long life and fire resistance are factors, it was pointed out by John H. Thomas of Owens-Illinois Glass Co. at the Glass Division program at the 1937 annual meeting of the American Ceramic Society at the Waldorf Astoria.

Telling of the new textile's use for a filter, he pointed out that some of its advantages come from the fact that it does not expand when wet and that the individual fibers are finer than any existing natural textile fibers used for the purpose. Acid-resistance was another important factor.

Mr. Thomas pointed out that previously irritation to the hands had been caused by the fabrics by the occasional "tramp" thicker fibers of .0003½ to .0005-inch thickness which pricked the skin because of their stiffness. By greater control in manufacturing these thicker fibers have been virtually eliminated, he said.

As evidence of the possibilities of glass yarn in textiles, Mr. Thomas showed a jacquard tablecloth as a possibility for the future. While glass yarns are available in both continuous-filament and staple fiber types (rather like rayon) the tablecloth was of the staple fiber type.

## Sit-Down Strikers Fined

Groton, Conn.—Holding that participation in a "sit-down" strike is a serious offense in violation of property rights, Judge Nathan Belcher found 112 Electric Boat Company strikers guilty of trespass.

Half the defendents, who were arrested as police ejected them from the plant February 24, paid the $3 fine while 50 others appealed to the New London County Court of Common Pleas. After spending a few hours in the county jail they were released on bonds of $60 each.

# Equal Rights To All

*(Charlotte Observer)*

THE genius of Americanism is that one has the same freedom of self-expression as another. Equal rights to all, special privileges to none—democracy sinks or swims on the principle embodied in that phrase.

The matter of class and caste and conditions and color and circumstances does not play in the picture.

What one is allowed to do, another must be allowed to do if democracy is not playing truant to us.

The liberties permitted one group must be the liberties allowed another group. No partiality is permissable. No "special privileges."

It seems to us that there should be, or could be, no argument about that.

It is one of those principles that can be laid down as an axiom, the case closed and do debate to follow.

On that principle the right of labor collectively to organize and collectively to act is to be sanctioned so long as it operates under the liberties of democracy and not the licenses of self-interest.

If employers band themselves together in an association for the purpose of collectively pursuing a given policy among themselves, no just objection can be raised to employes banding themselves together for identically the same purpose.

If capital elects to organize and individual capitalists elect to join such an organization for the purpose of promoting their self-interest and to act in conjunction with one another for righteous motives of self-improvement and self-advancement, surely it must be conceded that labor has equal right to follow precisely that same course and to operate upon that same principle.

If a given group of manufacturers is to be approved, a given association of workers must also be sanctioned.

The logic of the case is inescapable. Its justice and equity and democracy are too apparent to discuss. Let's dismiss it on that score.

The argument arises not so much over the principle of collective organization among capitalists and collective bargaining among laborers as over the Purpose for which such organization is directed.

If 30 manufacturers, for example, of the whole country should get together and, because of the financial strength and power they represent, dare to say to the other 70 manufacturers of the nation that the latter would be obliged to go by the rules and procedures laid down by these 30—

Or if any given percentage of the employers in all of the industries of the nation should organize and map out a given course of action which they should elect to follow and then say to all the other employers in all the other industries or the nation that they, too, would be compelled to fall in line whether they liked it or not, otherwise there would be hell to pay—then such an organization of manufacturers and capitalists would be unwise, unjust and intolerable in a democracy.

The fact is, of course, that the Federal government would not for a moment permit such an organization to have its unrighteous and dictatorial way among the capitalists and employers.

In further fact, it has a law already which disallows such combination of control and authority.

The Sherman anti-trust law forbids our employing society from doing exactly that thing.

If they undertake to band themselves in such a way as harmfully to effect trade or injuriously to work their will and selfish purpose against the public interest in restraint of trade, they will be called into the Federal courts and there, if proven guilty, they, the members and participants in this unholy alliance, will be immediately fined or sent to the penitentiary.

American democracy does not tolerate capitalistic combinations that would be hurtful to the public interest or that would allow employers to feather their class-nests as against the well-being of the public, and the rights of any other competing minority or majority and the good of the whole of American society.

That is a good law and it expresses a wise principle. Indeed, it could not be otherwise if democracy is to exist.

By the same token, we submit, the situation with labor and the working masses of America must be judged and brought into line with what is conceived to be the rights of others of the same category and the more important rights of all others—the public!

Should a given percentage of American laborers elect to organize for the purpose of depriving another percentage of the same industrial classes from exercising their individual will and authority—

Or if any percentage of employes, minority or majority, should organize to bargain collectively and then say to others of their ranks that unless they followed suit and fell in line they would be outlawed—

Or if any given percentage of labor, as in the case of capital, should organize in restraint of free and competitive trade and against the public interest and the common good and the general welfare—in such an event, labor should be made to be amenable to the same Federal laws not only but to the same public wrath against the toleration of such tyranny.

The analogy between the liability of employers and employes alike to the anti-trust laws break down, of course, when the question of responsibility bobs up.

The employers are financially and otherwise amenable to the terms of this Federal law, whereas in their organizational set-up, employes would be lacking in such responsibility.

In other words, the Federal government has an entity that it can deal with and move against and either fine or imprison for wilful violations of its anti-trust laws in the employer group but it would find all of these substantive phases lacking in employee-groups were it disposed to make them similarly subject to its control in this respect.

However as to that, it must be agreed that so far as basic principles are concerned labor has the same rights as capital—no more, no less.

Collective bargaining can be defended when it is em-

powered to act for any minority or majority of employes who elect to cast their individual lots in with a given group destiny.

We resent it when collective bargaining agreed upon by and among the few and the many, undertakes to dictate terms not only to employers but to all employes who choose to bargain for themselves and remain outside of this collective tribunal.

And we dislike it because it clearly seems to us to be unrighteous, unsocial, unwise, unmoral and un-American.

## North American Rayon Shows Profit For Year

Elizabethton, Tenn.—Net profit of $1,959,710 after all charges, including Federal income taxes and provision of $76,000 for surtax on undistributed profits, was shown by North American Rayon Corp. for the year ended Dec. 27, 1936. After deducting dividends on the 6 per cent prior preferred stock, the year's net is equivalent to $3.48 per share on the combined 300,000 no-par shares of Class A and 212,374 no-par shares of Class B common stocks outstanding at the end of the year .

For the preceding year, the company's net profit amounted to $906,911, or $1.42 per share on the combined shares.

Depreciation charged against income for the past year totaled $999,030 and, according to S. R. Fuller, Jr., president of North American, is greater than the amount allowed for this purpose by the U. S. Treasury Department.

"Favorable market conditions," states Mr. Fuller in a letter to stockholders, "permitted the operation of the corporation's plant at practically full capacity throughout the year and production facilities were slightly increased during the year. At the same time, it was possible to realize prices during 1936 which were higher than during the preceding year."

North American Rayon on Dec. 27, 1936, had an earned surplus of $2,110,861, contrasted with $1,605,991 on Dec. 29, 1935. Dividends on the Class A and Class B common stocks aggregated $1,280,935 and on the preferred stock, $173,905, or total disbursements of $1,454,840, which was the only charge against the surplus account.

The company continues in a strong financial position, with quick assets of $5,321,973 against quick liabilities of $1,055,448. Cash alone of $2,735,417 was more than twice the current indebtedness. There were also U. S. Treasury notes and bonds of $657,000, with a market value of $663,000.

Inventories were valued at $785,910, against $980,562.

## Francis Garrou Memorial

Valdese, N. C.—As a memorial to the late Francis Garrou, Sr., president of the Waldensian Hosiery Mills at the time of his death, and prominently associated with a number of other textile and hosiery manufacturing plants, the new $12,000 Sunday School Building, which is being built as an addition to the Waldensian Church, will be named for him.


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**Charlotte, N. C.**

## British Mills Face Shortage of Young Workers

The Lancashire cotton textile industry is faced with a shortage of young workers, according to the report of a discussion of this problem at a recent meeting of the Ashton-under-Lyne and District Mill Managers' Association in the Textile Weekly of Manchester, Eng.

Robert Sharples, president, suggested that some opinions might be ventilated on the "shortage of juvenile labor in the cotton industry." He said he was rather disappointed with the recent wage agreement in the spinning section, as insufficient inducement had been offered to the younger end of the operatives.

Enos Lees asked what the various education committees were doing to encourage young people to enter the cotton industry. As far as he could see they were encouraging juveniles to keep out of the mills. If pressure were brought to bear by cotton trade organizations perhaps the education authorities could do something to attract school-leaving children to come into the cotton industry. He understood that some attempt had been made to introduce school children to the mills by taking parties on visits to works.

A member, referring to Mr. Lees' last point, said he had endeavored to gather some impressions from school children who had been on these visits to mills, but these were not altogether favorable. The children seemed awed by what they saw in the factories, and the machinery and general atmosphere there seemed to have turned them against any thoughts of entering the mills for their living. Such visits, in his opinion, were not so good as might have been imagined.

On the matter of conditions "in the old days" a member pointed out that there were no school-leaving age restrictions in operation then, as there are now. The cotton trade, too, was expanding then, rather than contracting, and juveniles were only too anxious to get into the mills where promotion was rapid.

## S. C. Cotton Mill Men Discuss Sales Rules, Vote Cotton Prizes

Spartanburg, S. C.—Cotton goods sales rules, commonly known at the Worth Street rules, were discussed at a meeting of the executive committee of the South Carolina Cotton Manufacturers' Association at Spartanburg, according to S. M. Beattie, of Greenville, S. C., president.

The purpose of the conference, Mr. Beattie said, was to carefully review and check over the sales rules. Details of decisions, if any, were not made public.

Around 40 manufacturers attended the session, at which the asssociation voted to continue to provide cash prizes for the five-acre cotton contest sponsored jointly with the Clemson College extension service to encourage the growing of a longer staple cotton in this State. The association has provided annual prizes of $2,000 for about 10 years in this contest.

## Mock, Judson Net in 1936 Is $293,442

Net profit of $293,442 for the year ended Dec. 31, 1936, is reported by Mock, Judson, Voehringer Co., Inc., and subsidiaries, after depreciation, reserve for income taxes and $30,163 surtax on undistributed profits. In the previous year, the company showed net profit of $303,927.

After allowing for preferred dividends, earning for 1936 are equal to $1.24 a share on the 200,000 shares of $2.50 par value common stock outstanding, as against $2.58 per share on 100,000 no-par common shares last year.

Sales and production of Mock, Judson, Voehringer Co., Inc., were the highest in its history, states John K. Voehringer, Jr., president, who adds that all plants are operating at full capacity and that shipments during 1937 have been more than 25 per cent greater than the comparable 1936 period.

Mr. Voehringer informs stockholders that the company spent about $350,000 on an addition to the Greensboro, N. C., plant, expansion of the Long Island finishing plant, and transferring and consolidating equipment of the Philadelphia plant with the Alabama Hosiery Mills, Inc., at Decatur, Ala., an affiliate.

Net profit figures of Mock, Judson, Voehringer for 1936 do not include profits of Alabama Hosiery Mills, Inc. Mr. Voehringer discloses that Mock, Judson had exercised its option to purchase 299.6 share of the common stock of Alabama Hosiery Mills and now owns 599.6 of that company's 600 shares of common. The Alabama Hosiery Mills, Inc., closed the year with a net profit of $50,105, after depreciation, taxes and $12,774 surtax on undistributed profits.

## New Finish Said to End Slippage in Rayon Goods

A process for the eradication of slippage and distortion in synthetic textiles has been developed by The Aspinook Co., of Jewett City, Conn. Initialy the process will be applied principally to linings for the men's and women's wear trades, but it is stated the finish is equally applicable to all types of acetate, spun rayon, pure silk and mixed constructions employing synthetic fibers.

Besides "stabilizing" the cloths, eliminating slipping and subsequent fraying at the seams of garments, the process is said to control the hand and finish of the goods as easily as with the usual mill finish. The colors, it is stated, are not affected in any way.

According to Philip A. Johnson, president and treasurer of the Aspinook Co., the new patented finish will be made available at a popular price so as to fit into existing fabric price ranges. It will also be the company's policy to license other finishing plants in the cotton, silk and rayon industries to make use of the process.

With regard to the permanence of the process, which will be marketed as the "Slipnaught Finish," Mr. Johnson states his company has seldom made it a policy to offer "permanent finishes" as such, because of the abuse to which such terms may be put.

He stated, however, that the new finish stands up well to dry cleaning and that additional tests are being made. He also stated that in his opinion the new finish is considerably more permanent than any finish yet offered which does not change either the chemical structure or the physical appearance of the cloth.

The new process, it is stated, is the result of two years of laboratory research. Tests for measuring the efficiency

of the finish have been developed. Mr. Johnson displayed two rayon constructions side by side; the first, a 110x68 rayon satin which had been given the new finish; the second, a 140x68 construction with the old standard finish. Vigorous efforts to distort the weave of the cheaper cloth failed, whereas the higher count cloth was easily frayed.

*Record Daily News*

## Sea Island Cotton Saved by New Poisoning Method

*(By Walter Ratliff in Atlanta Journal)*

Sea Island, most august monarch in the realm of King Cotton, is about to be restored to his regal throne.

Barely saved from oblivion by the production of twenty-six bushels of seed at the Pee Dee Experiment Station near Charleston, S. C., the rugged old monarch protected by a new death-dealing boll weevil poison is surging toward a spectacular comeback.

The Georgia WPA has approved a Lowndes County project to demonstrate boll weevil poisoning in Sea Island fields in that county and the project has been forwarded to Washington for final approval and appropriation of the money.

Lowndes County will match the federal money, it is understood.

When the boll weevil hit in 1918 the Sea Island cotton production was gradually reduced from a top of 90,000 bales to a low of seven bales in 1929. The cotton was particularly toothsome to the predatory weevil because if its tender bolls.

The new poisoning program calls for mixing the usual calcium arsenate with syrup and water and applying it directly to the bolls by means of a small mop. Since the boll weevil has a sweet tooth this method has proved signally successful, according to George D. Smith, former government entomologist.

The comeback of Sea Island began in 1934 when a group of north Florida farmers, discouraged by the low prices of upland cotton, took over the seed supply of the Pee Dee Experiment Station and planted it. Fifteen bales of Sea Island cotton resulted. In 1935 the crop was 175 bales and in 1936 it was up to 1,086, of which seventy-one were ginned in south Georgia.

The 1937 Sea Island crop will be some 5,000 bales, it is predicted.

As a sample of what can be done M. D. Broadfield, of Valdosta, planted a dozen acres to Sea Island last year. It was systematically poisoned by the "mop system," and it produced twelve bales of cotton.

While upland cotton was bringing a bare 12 cents the Sea Island or long staple variety, was bringing 30 cents. With increased production the price will be from 37 to 40 cents a pound this year, it is predicted.

Georgia's crop last year was taken over by a Rhode Island firm which exported it to Europe for use in making fine laces and thread. Some of the crop also is used for making airplane fabric and typewriter ribbons.

Manning S. Yoemans, state entomologist, is co-operating with the Lowndes County demonstration project. He stresses the importance of rigid control of growing conditions and the importance of keeping the Sea Island free from any upland cotton or short staple.

## South Carolina Mill Statistics

South Carolina cotton mill payrolls have tripled since 1915, while employment in the state has increased in proportion with a drop in employment in the New England states, it is shown in a booklet, "Facts About South Carolina and Her Textile Mills," by William P. Jacobs, of Clinton, secretary of the South Carolina Cotton Manufacturers Association.

In 1915 South Carolina had a total cotton mill payroll of $15,789,647 and a population of 1,515,400. Each citizen's share of the payroll amounted to $10.41 a year.

In 1935 each citizen's share of the total payroll was $30 a year, with the annual total payroll $52,126,622, and the population 1,738,765.

Although exact figures are not yet available, it is known the share was even greater in 1936.

Cotton mill payrolls in South Carolina furnish a livlihood directly or indirectly for from 300,000 to 500,000 persons. Total employes of cotton mills in the state in 1935 numbered 83,592. The estimated population of mill villages was 172,871.

Additionally, the South Carolina mills are the best customers of the South Carolina farmers, Mr. Jacobs points out. They pay over 20 per cent of the taxes, buy a large percentage of the power generated in the state, and are important customers of the railroads, wholesale and retail establishments, and of the professional people of the state.

The products of South Carolina cotton mills was worth $205,681,145 in 1935, which is $154,178,148 more than the value of South Carolina's cotton crop (lint only), and more than the value of all agricultural products of the state.

In 1923 the wage earners in cotton manufacturing plants in the Carolinas and Georgia numbered 190,999. Ten years later, in 1933, the number was 219,540, or a gain of 28,541.

Correspondingly, the number of employes in the same period in Massachusetts dropped from 113,707 in 1923 to 45,418 in 1933, a loss of 68,289.

During the same period the Masachusetts textile payroll decreased $83,970,805, while that of South Carolina increased $10,819,406.

## The Bishop and His Boss

"The Bishop and His Boss" is a new and interesting book by Rev. J. A. Balwin who was for many years president of the Southern Industrial Institute at Charlotte, N. C. The book is published by the Meador Publishing Co. of Boston, Mass. Price $1.25.

Rev. Balwin deals in a very interesting way with the inner workings of the political machine which operates within the Methodist Church. Although he uses ficticious names it is not difficult to identify many of the Characters with persons prominent in church life.

## N. C. State Textile School to Expand

During its recent session the legislature of North Carolina appropriated $45,000 to enlarge the Textile School at North Carolina State College, and $15,000 additional money for new equipment.

Present plans are rather indefinite, but it is thought that a part of the new addition will house a cemplete research laboratory especially constructed, equipped and staffed with physicists to do research work on textile fibers, yarns and fabrics. It is also expected that a unit of woolen machinery and full fashioned knitting will be added to the present equipment. When the contemplated improvements are completed, North Carolina State College will have one of the best equipped textile schools in America.

The growth of this Textile School has been phenomenal in recent years, the enrollment having doubled in less than a decade, and for the past two years it has registered more full time day students than any other textile school in America. Its graduates have established a reputation for making good and they now fill responsible positions in every phase of the textile industry in this and other countries.

For more than thirty years Dr. Thomas Nelson has directed textile instructions at State College, and he has seen the textile division grow from a small department until it is now one of the three major divisions of State College. In his opinion the textile industry is an exceptionally fertile field for young men with a textile education. He says that the scientific improvements which are constantly being made in the manufacture, processing and distribution of textile products are creating an increasing demand for technically trained men, and that in order to help supply this demand, State College is contemplating extensive improvements in its Textile School.

## Amercan Bemberg Profit Is Best Since 1928

Elizabethton, Tenn.—The $598,161 net profit reported by the American Bemberg Corp. represents the best results since 1928 and is the first profit in three years.

This figure, which is for the year ended Dec. 27, 1936, is after all deductions, including Federal income tax and $43,000 provision for surtax on undistributed profits, is equivalent, after allowing for a year's dividends on the 7 per cent preferred stock, to $1.26 per share on the combind 280,000 shares of common and common B stock. For the year ended Dec. 29, 1935, the company sustained a net loss of $491,710.

During the past year American Bemberg recorded a new high record of shipments, accounting for the favorable results in 1936, S. R. Fuller, Jr., president points out. This permitted practically capacity operation of its factory throughout the year, he adds. In addition to that, prices realized for the company's product were "more satisfactory" as a result of the improvement in the general price level for synthetic yarns.

As a result of the $598,161 net profit, the company's deficit is reduced to $123,516. At the beginning of the operating period covered by the latest report, American Bemberg was in the red for $407,055. Besides the net profit, there was a credit of $52,877 adjustment of reserves provided prior to Dec. 29, 1935. A sum of $367,500 representing a dividend of $10.50 per share paid during the year on preferred stock, was the only charge against the surplus account.

The balance sheet of Amercan Bemberg Corp. as at Dec. 27, 1936, shows current assets of $2,991,949, against current liabilities of $445,952, reflecting a strong financial position.

## Cotton Releases Hit 907,000 Bales

Washington, D. C.—The Commodity Credit Corporation announced recently that requests for the release of 907,001 bales of Government loan cotton had been received at the loan agencies of the Reconstruction Finance Corporation.

It was emphasized that this statement covers only those requests received in the R. F. C. office. Officials would not estimate what proportion of loan stock has been authorized for release and not yet reported to the field office.

## India Cotton Mill Statistics

According to the statement for the last year issued by the Bombay Mill-Owners' Association, the total number of equipped cotton mills in the whole of India is 379, an increase of 14 over the previous year. The number of mills in Ahmedabad increased from 83 to 84, the number of mills in the Bombay Presidency, exclusive of Ahmedabad and Bombay City and Island increased from 63 to 65, and in Bengal, the number increased from 22 to 24. In the Madras Presidency the number increased from 36 to 45, but in other provinces there was no change. Of the total number of mills in India, 29 were completely idle, of which 8 were in Bombay City and 8 in Ahmedabad. The total number of spindles, given as 9,857,000 was 171,500 more than in the previous year, and the number of looms increased by 1,200 to 200,062. In Bombay City, there was a slight decline in the number of spindles but the number of looms remained unchanged. In Ahmedabad, there was an appreciable increase in both. In Bengal and United Provinces also there was an increase in both the number of spindles and the number of looms. In the Madras Presidency, the increase was almost entirely on the spinning side, but in the Central India, there was a large increase both in spindles and looms.

The average number of spindles working daily was 8,504,000 out of a total of 9,857,000 erected. The corresponding figure for the past year was 8,441,000, Of the 200,000 looms erected, an average of 178,000 were working daily during the year. These figures of spindle and loom activities do not include night shift working and are therefore somewhat misleading.

In the year under review, the mills consumed 1,555,000 candies of 784 lb. of cotton on day shift work was about 418,000 as against 415,000 in the previous year. The total paid up capital of the industry amounted to Rs. 40.55 crores, an increase of Rs. 1.08 crores over the previous year.

## Hose, Underwear Men Meet April 21-22

Featuring the annual Knitting Arts Exhibition in Philadelphia the week of April 19 to 23, the National Association of Hosiery Manufacturers will hold its convention on Wednesday, the 21st, and the Underwear Institute will meet on the 22nd.

The show will be staged as in past years at the Commercial Museum, where the underwear men will meet. The hosiery group will meet at Convention Hall, where new directors to replace those whose terms are expiring will be named. The nominating committee of hosiery men consists of P. W. Eshelman of Wilkes Hosiery Mills Co.; Nathaniel Judson of Mock, Judson, Voehringer Co.; George F. Land of Co-Ed Knitting Mills; Luke Aff Lutz of Wm. G. Leininger Knitting Co., and J. R. Smith of Claussner Hosiery Co. The five directors who retire from the board of 15 this year are Austin H. Carr, Durham Hosiery Mills; J. D. Davenport, Davenport Hosiery Mills; Henry J. Herbst, General Hosiery Co.; R. O. Huffman, Morganton Full Fashioned Hosiery Co., and Marshall V. Moss, NoMend Hosiery, Inc.

## 3 Judges Uphold Social Security Taxing Provision

New Orleans, La.—The United States Fifth circuit court of appeals upheld constitutionality of the social security act—specifically its taxing provisions.

The decision was unanimous in a three judge tribunal composed of Senior Judge Rufus E. Foster and Associate Judges Samuel H. Sibley and Edwin R. Holmes.

The Charles C. Steward Machine company of Birmingham, Ala., paid the collector of internal revenue $46.14 in 1936 in accordance with Title IX of the social security act.

The company then sued Harwell G. Davis, internal revenue collector for the district of Alabama, for a refund on the grounds the tax had been "wrongfully and illegally assessed because the social security act is unconstitutional and void."

The federal court for the northern district of Alabama dismissed the company's suit, and the circuit court upheld the decision.

## Some Advantages of Spun Rayon

Expectations of important usage of spun rayon in decorative fabrics was voiced by Joseph Meierhans, of Farr Alpaca Co., speaking at a recent meeting of the American Association of Textile Technologists.

According to Mr. Meierhans, "It won't be long now until we see lots of furniture upholstered with spun rayon and rayon mixed fabrics. And why not? These fabrics will probably look better than cotton upholstery. They have a sort of glow or dull luster like mohair and wool, and yet they are moth-proof."

In addition to discussing other phases of spun rayon fabrics, Mr. Meierhans pointed out some of the advantages of blends saying, "Another and quite important point in favor of spun rayon mixes is the fact that, for instance, wool and rayon blends can be cross-dyed in the piece, and color blends, such as oxford grays, navy and white mixtures, colored mixtures, which have been used quite frequently in the wool and worsted trades, will not have to be stock-dyed and blended in the yarn. Goods of this nature can now be held in the gray and piece dyed as required, and the manufacturer will not be stuck with a lot of dyed goods, because the shades in which he has them are not in style any longer."

## 28 Circular Hosiery Machines Exported

Thirty-eight circular hosiery knitting machines, valued at $26,967, were exported during January, the Department of Commerce makes known. Seven, valued at $8,000 were taken by Australia, six, valued at $3,306, by the United Kingdom and 3, valued at $3,028, by Mexico.

Other circular knitting machines exported during the month totaled 79, and were valued at $32,204. Sixty-one, valued at $20,444, went to the United Kingdom.

Two full fashioned machines, on which a value of $9,000 was placed, were taken by Canada.

The value of other knitting machines and parts shipped from the country was placed at $75,040, of which Canada accounted for $34,071 worth.

## Cannon Launches Own Hose Brand

After 10 years of manufacturing women's full-fashioned silk hosiery in its Wicassett Mills at Albemarle, N. C., Cannon Mills, Inc., has set the stage for national promotion of this merchandise under the Cannon name.

Until now the company, long identified with towels, sheets and other products, has been marketing hosiery solely under the wholesalers' and retailers' brands. According to reliable sources, this decision to place the name on its hosiery line is largely based on the fact that the brand on other merchandise is known to millions of women and should consequently meet ready consumer acceptance.

Cannon is not relying solely on the name, however, to guarantee the success of the new branded product. A detailed merchandising program has already been developed, in addition to which the line has been revamped and greatly improved. There are two features on the plan that especially stand out. Each pair of socks will be indeliably stamped on the welt with a decorative design which will illustrate the suggested use in a simple line drawing, as well as the thread construction. Second, each pair will be sealed at the mill after triple inspection in individual Cellophane envelopes. This wrap is called the "Handy Pack" and is conveniently sized to fit a woman's purse. There are three pairs to a box.

The Wiscasett Mills, headed by C. A. Cannon and managed by C. W. Gaddy, operates 163 full-fashioned machines.

## Bulgaria Checks Erection of New Spinning Mills

The Bulgarian Government has forbidden the establishment of additional spinning mills for woolen yarns, declaring this production a "saturated branch of industry."

## Converting Trade Told of Problems

Protection against lawsuits by employes, protection against unfair claims and registering of chiselers are the main subjects of a bulletin sent by Edmund Wright, executive director, to members of the Textile Converters' Association of America, Inc. Mr. Wright also advises converters not to forget the association's slogan— "Don't Overbuy. Excessive Speculation Is Productive of Losses. Why Take the Gamble?"

In his bulletin Mr. Wright gives an excerpt of a letter received from the president of one of the large piece goods manufacturing companies commending the association for its constructive plan for establishing a bureau to reduce unfair claims and unjust returns.

The advice offered to converters in the bulletin follows:

Protection Against Lawsuits by Employes.—Every now and then we hear of salesmen, with no written contracts, blackmailing employers by claiming verbal contracts either for the season or for the year. As lawsuits are distasteful, settlements, for which no justification exists, often made. We suggest, therefore, when engaging such help you draw up a simple written agreement to the effect that the employee is engaged on a weekly basis and that, upon written notice, his services may be terminated at once. Give the salesman the same right to resign. With such a document in your possession not even the chiseling lawyer will take a case for fulfillment of a contract.

Protection Against Unfair Claims.—When a cutter makes claims on garments, can you tell whether the goods were sold by you or by a competitor? It is almost impossible to know, especially on staples, whether the goods were sold by one distributor or another, and we question whether greige goods' manufacturers could tell what is what on merchandise of similar construction. Nothing can stop a chiseller from demanding and receiving allowances on the same garment from one or more distributors. You know this chiselling is being practiced. To stop or lessen it, we suggest that you have a stamp made reading "Inspected By" and have under this wording the initials of your firm. When your inspector goes to examine dresses he will take this stamp and an indeliable ink pad. Every garment inspected should be stamped inside, whether you make an allowance or not. Such identification will put other distributors on their guard; if every seller follows this practice allowances on dresses will disappear to a great extent. Some narrow-minded dealers will receive this suggestion lightheartedly, but no one is immune from being cheated now and then. If your inspector sees a competitor's stamp on a garment, further waste of time will be unnecessary. This simple practice will save thousands of dollars to the industry; what is good for the industry certainly must be good for the individual.

Registering the Chiseller.—Our recommendation of sometime past that you submit the names of the chronic returner or claimer seems to have been received lukewarmly, judging from the responses received. We want you to know that no recommendation goes forth from this office unless we are sure of our ground; we take no chances in becoming ensnarled in lawsuits. By such registration, and the submission to the trade of firms so registered, neither you nor we are subjected to suits for damages. Such registrations will be held in strict confidence. By cooperative action, we can bring pressure upon the chiseller so that his unethical practices will be materially lessened or entirely eliminated. Every unfair trade practice that we destroy will help to make our business safer and sounder.

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## Argentine Board Estimates 360,000 Bales

Washington, D. C.—The Argentine cotton board officially forecasts this year's cotton crop at only 360,000 bales from a record planting of 1,015,000 acres, according to a cable to the bureau of agricultural economics from its Buenos Aires office. This would be equivalent to a yield of approximately 169 pounds per acre.

Last season, when 763,000 acres were planted, the crop amounted to 373,000 bales or approximately 234 pounds per acre. Had estimated yields from the acreage planted this year equalled the average obtained last season, the crop would have amounted to approximately half a million bales.

Drought and insect pests were reported responsible for the reduction in the current season's crop. Producers began the season last August with great enthusiasm but adverse climatic conditions, particularly drought, hindered field operations. In January the cotton board reported the condition of the crop as backward by approximately two months because of excessive drought which delayed planting. In some districts, plantings were made as late as December.

Locusts attacks also caused injury in practically the whole cotton belt and it became necessary to resow as many as three times in several regions, according to the board. Late in January the government reported additional damage from the cotton boll worm, especially in the Chaco territory and in the province of Corrientes, the leading producing areas.

During the middle of February the cotton board reported that rains had improved the condition of the crop somewhat but that development and bolling of the plants generally was not normal because of drought. Picking is expected to be later than usual.

The Argentine government, since the establishment of the national cotton board in April 1935, has been concentrating on expanding cotton production, particularly in the Chaco territory, where conditions seem to be most favorable. Of the total area planted this year, 717,000 acres or 71 per cent, were in the Chaco territory and 124,000 acres, or 12 per cent, in the province of Corrientes.

As a result of the favorable prices for cotton supplemented by the activities of the cotton board, the total area devoted to cotton in Argentina was expanded from the average of 355,000 acres annually during the five years ending with the 1933-34 season to 1,010,000 acres in 1936-37.

With its record crop of 373,000 bales last season, Argentina became the eighth most important cotton producing country in the world, exceeded only by the United States, India, China, Russia, Egypt, Brazil, and Peru. Yields per acre are high in Argentina. During the five years ending with the 1933-34 crop, they averaged 220 pounds per acre. In 1934-35 they fell to 200 pounds but in 1935-36 they averaged 234 pounds.

## S. C. Textile Group Buys Dacotah Mills

Lexington, N. C.—John McDowell Moore and associates, prominent textile operatives of South Carolina, have purchased controlling interest in the Dacotah Cotton Mills Inc., of Lexington, according to information made public.

Associates of Mr. Moore include Alfred Moore, G. L. Chandler and D. W. Anderson. The purchase price for the entire property was $120,000, it is reported, with the buyers paying holders of the 6,000 shares of stock who have $20 a share.

The development followed the action of the board of directors in voting to submit to the stockholders at a special meeting called for March 30 the $110,000 bid made by Robert P. Dicks of Rockingham and R. S. Dickson and Company of Charlotte. The Dicks and Dickson bid had been submitted to the stockholders at a meeting called recently to pass upon a $100,000 bid by the Moore group, which they had raised to that sum, after an original offer of $90,000 had failed to carry the required two-thirds majority of the voting stock.

Information is that John McD. Moore plans to move to Lexington and take charge of plans for an early resumption of operations.

The Dacotah was operated for more than 25 years under the direction of C. A. Hunt, Jr., as president, with G. W. Mountcastle as secretary-treasurer, until it closed 18 months ago. All stocks on hand were disposed of and last spring it was voted to sell the property.

The mill was originally capitalized at $150,000, but after war boom days, issued a $450,000 stock dividend. During much of the period of its operation the concern was a heavy payer of dividends.

Many families whose members were employed by the mill have continued to reside in the village, and it is expected that a skilled personnel will be available when the mill resumes work.

## 12,129,702 Bales of Cotton Ginned From 1936 Crop

Washington, D. C.—The Census Bureau reported Saturday cotton, exclusive of linters, ginned from the 1936 crop totaled 12,129,702 running bales, or 12,387,403 equivalent 500-pound bales, compared with 10,420,346 and 10,638,391 for the 1935 crop and 9,472,022 and 9,636,559 for the 1934 crop.

The average gross weight of bales for the crop, counting round as half bales, was 510.6 pounds, compared with 510.5 for 1935, and 508.7 for 1934.

Round bales included totaled 282,196 compared with 294,253 for 1935, and 197,260 for 1934.

American - Egyptian cotton included totaled 17,551 bales, compared with 17,619 for 1935 and 14,052 for 1934.

Included in the total ginnings are 27,121 bales of cotton which ginners estimated would be turned out after the March canvass.

Ginneries operated for the crop numbered 12,624 compared with 12,812 for 1935 and 12,663 for 1934.

Ginnings, in equivalent 500-pound bales, by states were: Alabama, 1,148,647; Arizona 189,905; Arkansas 1,302-534; California, 442,922; Florida, 26,788; Georgia, 1,-089,650; Louisana, 761,106; Mississippi, 1,911,023; Missouri, 303,582; New Mexico, 107,369; North Carolina, 591,287; Oklahoma, 286,255; South Carolina, 811,798; Tennessee, 432,700; Texas, 2,939,573; Virginia, 30,071, and all other states, 12,193.

## World Cotton Consumption Up in Half-Year Period

London, Eng.—The International Federation of Master Cotton Spinners estimates world consumption of all cotton for the half year ended January 31, last, at 14,335,-000 bales, exclusive of returns from Italy. This compares with 12,512,000 bales a year ago, excluding Germany.

Consumption of American cotton for the first six months was placed at 6,309,000 bales, against 5,747,000 in the like period last year. For the same period consumption of other grades included: East Indian, 2,891,-000 bales, against 2,655,000; Egyptian, 565,000 against 508,000; sundry cottons 5,570,000 against 3,602,000.

In Great Britain, consumption was estimated at 1,396,-000 bales, against 1,348,000 last year. English mills consumed less American cotton, but increased their use of East Indian, Egyptian and sundry types.

Total mill stocks of all cotton, excluding Italy, on January 31, totaled 5,899,000 bales, against 4,463,000. World's total spindles on January 31, were estimated at 150,949,000, against 151,745,000 on the same date last year.

## Investigate Charges Against Co-ops

Memphis, Tenn.—The Memphis Cotton Exchange has urged RFC Chairman Jesse Jones to enlarge the scope of his plans to investigate charges of under-classing against the American co-operative association of New Orleans.

C. L. Andrews, president of the exchange, in a wire to Jones said, "we suggest that your investigation be not confined to South Carolina, but also embrace the Memphis territory."

Jones said he would investigate a charge of Commissioner of Agriculture J. Roy Jones of South Carolina that cotton producers lost $5,232,000 on 12 cent loan cotton pledged to the Commodity Credit Corporation because of lowered classification by state cooperatives operating under the American Co-op of New Orleans.

"Our members state that re-concentrated cotton they are buying shows that co-ops have penalized farmers more per bale in this territory than claimed by Mr. Jones in his charges," the telegram stated.

## Charles Brooks Takes Cowles Detergent Account

Chas. E. Brooks has accepted the position of Southern Representative of the Cowles Detergent Co. of Cleveland, Ohio, and will have his headquarters at Charlotte, N. C. Mr. Brooks has for many years represented dyestuff manfacturers in this field and is favorably known.

## Safety Rules at Avondale Mills

The following is a set of twelve rules as laid down by H. O. McGill, overseer spinning at Avondale Mills, Alexander City, Ala., to promote safety in his individual department. Undoubtedly these rules will be interesting to others.

1. Do not run with doff or roving boxes.
2. Do not carry an open knife in your pocket.
3. Do not clean big heads while running.
4. Do not run, play or scuffle in the mill.
5. Do not work on a frame without putting up a sign.
6. Do not start a frame that is stopped without finding out what it is stopped for.
7. Do not blow your clothes with air hose.
8. Put bottles in containers and not on frames or floor.
9. Do not throw rubbish or garbage on the floor—put them in the trash can.
10. Watch for wet floors at all times.
11. Do not pass a quill or bobbin on the floor, pick it up.
12. Think before acting for this is the safe way.

## Textile Employees and Plants

The Journal of Commerce estimates the number of workers and the number of manufacturing establishments in the various divisions of the textile industries as follows. Estimates were based on data obtained from Government statistics, from compilations by trade associations, and by adjustment of both of these to current conditions as they have changed since the statistics were compiled.

| | Employees | Plants |
|---|---|---|
| *Cotton textiles | 453,000 | 1,000 |
| Woolen and worsted | 170,000 | 600 |
| Hosiery | 146,000 | 780 |
| Silk and rayon throwsters | 75,000 | 350 |
| Underwear | 67,500 | 606 |
| Rayon yarn producers | 54,000 | 20 |
| *Silk weaving mills | 97,000 | 1,000 |
| Outerwear mills | 50,000 | 1,100 |
| Carpets and rugs | 32,000 | 54 |
| Cotton narrow fabrics | 12,500 | 200 |
| Totals | 1,157,000 | 5,710 |

*Includes rayon weaving plants. In the case of cotton mills, only plants whose production of rayon is less than 50 per cent of output are included.

## Huge Consumption of Cotton in 1937 Seen By W. L. Clayton

Houston, Texas—W. L. Clayton of Anderson-Clayton & Company, the world's No. 1 cotton merchants, believe the world will use more cotton in 1937-1938 than ever before.

"This year it appears as if world consumption may be as much as 29,500,000 bales,'" Clayton said recently after a two months' tour of South America. The Cotton year is from August 1 to July 31, he explained in discussing consumption figures.

In the pre-depression year of 1928-1929, world consumption climbed to 25,800,000 bales which then was an all-time high, according to Clayton. Two years later the consumption had dropped to 22,427,000 bales. Last year's consumption climbed to 27,729,000 bales.

The consumption figures are the brightest spots in the world cotton picture according to Clayton.

## Record Cotton Mill Activity Ahead

The daily average rate of cotton consumption by domestic mills will probably establish a new record during the calendar year of 1937, unless strikes cause protracted interruptions of production. Daily average consumption in February reached a new peak and the total use for the month was the largest for any February.

The unfilled order backlogs of virtually all divisions in the cotton textile industry have increased over the previous high levels during the past two weeks. Backlogs for print cloths, for example, were augmented by the equivalent of about three weeks' production at the current rate. Bookings in most divisions have continued to expand even after quotations were raised substantially.

A major strike, similar to the 1934 walkout, would, of course bring a sharp contraction in mill output. On the other hand, sporadic outbreaks in various sections might not preclude a record production. In the latter event, mills unaffected by a strike might lift their production further by using idle machinery.

—*New York Journal Commerce.*

## Unemployment in January, 1937

New York—The total number of unemployed workers in January, 1937, was 8,403,000, according to estimates of the National Industrial Conference Board. This is an increase of 583,000, or 7.4%, over the revised estimate for December, 1936; and a decrease of 1,933,000, or 18.7%, from January, 1936.

Employment in all types of enterprise in the United States in January, 1937, was 44,521,000 workers. This was a decrease of 532,000 workers, or 1.2%, from December, 1936, and an increase of 2,539,000, or 6.0% over January, 1936.

The number of workers employed in January, 1937, was 2,635,000, or 5.6%, below the average of 47,156,000 workers employed in 1929.

From December, 1936, to January, 1937, the decrease in employment, by industrial groups, were: trade, distribution and finance, 486,000; manufacturing, 156,000; construction, 57,000; service 17,000; forestry and fishing, 5,000; transportation, 2,000. Increases in employment were found in: agriculture, 198,000; public utilities, 1,000; and mining, 1,000.

Compared with January, 1936, employment in January, 1937, increased 11.0% in manufacturing; 9.8% in transportation; 7.8% in trade, distribution and finance; 5.7% in the public utilities; 5.3% in the service industries; 5.1% in mining; 1.9% in agriculture; and 1.1% in forestry and fishing. The only decrease was shown in construction, 1.1%.

The following table prepared by the Conference Board shows the number of employed workers in the various

industrial groups in 1929; January, 1936; December, 1936; and January, 1937.

| Group Division | 1929 Average | Jan.* 1936 | Dec.* 1936 | Jan.** 1937 |
|---|---|---|---|---|
| Agriculture | 10,452 | 10,346 | 10,344 | 10,542 |
| Forestry and fishing | 267 | 175 | 182 | 177 |
| Industry | | | | |
| Mining | 1,087 | 720 | 756 | 757 |
| Manufacturing | 11,073 | 9,518 | 10,721 | 10,565 |
| Construction, public and private | 2,841 | 2,015 | 2,050 | 1,993 |
| Transportation | 2,415 | 1,691 | 1,859 | 1,857 |
| Public utilities | 1,167 | 887 | 937 | 938 |
| Trade, distribution and finance | 7,321 | 6,762 | 7,773 | 7,287 |
| Service industries | 9,156 | 8,587 | 9.059 | 9,042 |
| Miscellaneous industries and service | 1,377 | 1,282 | 1,372 | 1,363 |
| Total Employed | 47,156 | 41,983 | 45,053 | 44,521 |

* Revised.
**Preliminary.

## Develop New Product For Finishing Trade

British dyers and finishers are now being offered a relatively new assistant, in which the high wetting-out power of a sulfonated fatty alcohol is combined with the solvent and stabilizing properties of other substances brought into a soluble form by the aid of the former, the final product thus having a combination of properties which make it suitable for certain wet processes for which few agents were previously available, according to the Manchester Guardian Commercial.

There has, for instance, been a definite need for a product which dissolves as clearly in hypochlorite liquors or other alkaline treatment solutions as in water, and which will, moreover, exhibit stability and high wetting power in those liquors, and one of the foremost makers of textile assistants is now offering a product which, it is claimed, insures these conditions being fulfilled. Apart from its chlorine-resisting properties, however, this particular product is also being widely used on account of its excellent wetting-out properties at a temperature of 120 degrees Fahrenheit. Hank dyers, especially, are finding it very useful. Assuming that they are dyeing a vat dye at 120 degrees Fahrenheit, they add the product to the bath at a proportion of 12 ounces per 100 gallons. The yarn is entered in the gray state and sinks immediately. It also assists materially in getting a level dyeing.

## Income From Manufacturing in the Various States, 1935

New York—In ten states income from manufacturing accounted for more than 30% of the total production income received in 1935, according to the National Industrial Conference Board.

These states, all of which were in the northeastern section of the country, and the proportion of their total income receipts derived from manufacturing were: Rhode Island, 40.3%; Connecticut, 39%; Michigan, 36.7%; New Hampshire, 36.3%; Indiana, 34.7; Ohio, 34.3%; Wisconsin, 32.6%; Pennsylvania, 31.0%; Delaware, 30.2%; and Massachusetts, 30.1%.

The income received in these states from manufacturing amounted to 44% of the total income from manufacturing for the country as a whole.

Income from manufacturing accounted for between 20% and 30% of total production income in eight states in 1935. These states were all east of the Mississippi and included New Jersey, Illinois, North Carolina, Maine, New York, South Carolina, West Virginia, and Georgia.

In all the states west of the Mississippi income from manufacturing was relatively small as compared with total income received. Manufacturing contributed the highest percentage of total income, 18.2% in Washington, and in Missouri contributed 17.8%. In Arizona, manufacturing income accounted for only 3.9% of total income, in North Dakota for 3.3%, and in New Mexico for 1.7%.

For the country as a whole income from manufacturing accounted in 1935 for approximately 24% of total production income.

## Lecture on Bemburg Yarns

Mrs. Louise Huston, educational director for the American Bemberg Corporation, who is now on a nation-wide tour, delivered an interesting lecture to the Textile students of North Carolina State College upon the care and uses of synthetic fabrics. Mrs. Huston illustrated her lecture with many beautiful fabrics made either of Bemberg yarns or of combinations of Bemberg and other yarns, and with costumes of domestic and imported origin which were modeled by Raleigh girls.

In her lecture Mrs. Huston called especial attention to the improvements which have been made in the manufacture and processing of synthetic yarns and fabrics within the past decade, and predicted that within the next decade the improvements will be even more surprising.

## New Indian Mill

The Governor of Bombay recently formally opened the Sind textile mill, the first venture of its kind in Sind. Though the new venture is a modest enterprise at present, its potentialities are great. The mill has certain facilities in that area and the Karachi municipality has granted land at concession rates. The only disadvantage as compared with Bombay is that the humidity at Karachi is lower, and therefore for a weaving mill it would necessitate the use of appliances for regulating humidity. The proprietor of the mill is Hiranand R. Jagasia, Karachi. A new concern known as the Navsari Cotton and Silk mills, Ltd., has been registered in Bombay with a capital of Rs. 20 lakhs, of which Messrs. H. M. Mehta & Sons, Ltd., are the managing agents. Navsari is in the Baroda State and lies in the center of the cotton area, where cotton and labor can both be had at lower prices. One feature of the concern will be that all mill labor will be housed in the mill premises, an attempt of the first kind in India. The managing agents will get a commission of 12½ per cent on the net yearly profits of the company in addition to an allowance of Rs. 2,000 per month. The registered office of the company is Navsari, Baroda State.



# Visiting The Mills

## By Mrs. Ethel Thomas Dabbs (Aunt Becky)

### Durham, N. C.—Golden Belt Manufacturing Co.

This is really an ideal mill and people. A second shift of 8 hours started up February 15th and the very first day there were more than enough operatives, ready and anxious to get to work.

Superintendent C. M. Suther, 30 years on the job, looks no older than he did 20 years ago. He says there are no finer people anywhere, than the operatives of Golden Belt Mfg. Co. They are loyal and faithful, well informed, and altogether splendid . The operatives contend that Suther is the best of superintendents.



C. M. Suther

This is the first time in many years that a second shift has run at Golden Belt, and mothers who worked here before marriage and have reared families, were delighted to get back on the pay roll. It was not necessary to get help from other sources, and the "old-timers" didn't find the new and modern machinery too complicated for them.

This is a large mill with 26,496 spindles, 568 looms and 109 full-fashioned knitting machines. Superintendents are C. M. Suther, S. R. Rasberry, and B. D. Gaddy. Sheeting, tobacco tags, and hosiery are the products.

J. W. Thomas is overseer carding, A. H. Graham, overseer spinning; J. S. Parker, overseer weaving; R. W. Daniels, outside overseer—all as fine, friendly and courteous gentlemen as can be found.

W. D. Thornburg, assistant superintendent, was formerly with the Florence Mill, Tarboro, N. C., as superintendent. The Florence is now consolidated with the Hart Mills of Tarboro, and it was with genuine pleasure that we learned of Mr. Thornburg's good fortune in getting located with Golden Belt.

C. M. Suther, for 30 years superintendent of Golden Belt, got his early training with the old Odell Mills, at Concord, N. C., where his application to duty soon had him marked as a leader. He has wisely invested his earnings, has a lovely home, and several other valuable holdings which give handsome annual returns in rent. He is a Methodist, belongs to one fraternal order—"K. of P.", and is one of the most progressive citizens of the pretty city of Durham.

### Ramseur, N. C.—Deep River Mills

Deep River Mills have an interesting history. Part of the plant, now standing, was built in 1850. In 1879, W. H. Watkins, sheriff of Montgomery County, bought the property and sold the 14 looms, turning his attention to the manufacture of yarns.

I. F. Craven, now the president and treasurer, came to work for Mr. Watkins when quite a young man, and by close application to duty won the respect of the president and the love of the president's charming daughter, who became his wife.

In 1920,if I remember correctly, Mr. Watkins died, and Mr. Craven became manager. Now he and his two fine sons, Alton W. Craven, secretary, and Jesse C. Craven, superintendent, are in full charge.

C. G. Whitehead is overseer carding and spinning, and assistant superintendent; J. O. Gray is overseer of weaving and cotton room; D. E. Whitehead is time keeper and shipping clerk; C. E. Dorsett, assistant in shipping; and S. E. Leonard is master mechanic. The products are sheeting and duck—on two 8-hour shifts. There are 190 operatives.

J. R. Wilson, for 15 years superintendent, with an excellent record for efficiency and loyalty, resigned some months ago to go into the textile machinery business in Greenville, S. C. He was a very popular citizen of Ramseur, greatly respected and truly missed by his many friends and business associates.

### Rocky Mount, N. C.—Rocky Mount Mills

In our recent Annual Review issue of the Textile Bulletin, there was a detailed account of these mills and splendid equipment; but seems to me one of the most important things was left out—and that is the "Canteen" —where cold drinks, sandwiches, etc., are sold, and all the profits turned back to the people in things necessary for health and happiness. Especial care is taken of children and old people of the village. Tonsils are removed; eyes treated and fitted with glasses; medicine bought; hospital treatment given, and lots of other things. These ideal mill officials believe it their God-given duty, and it

is their delight to bend every energy toward the making of fine, healthy, happy people.

The officials are: President, P. C. Collins; Secretary, Turner B. Bunn; Treasurer and Manager, Hyman L. Battle; Assistant Manager, Donald E. Stevens; Superintendent, D. W. Knight.

Overseers: O. T. Strickland, carder; A. J. Smith, spinner; E. E. Wood, twister; J. H. Gilbert, overseer waste mill; M. G. Frye, overseer finishing and assistant superintendent; J. W. Pierce, assistant finisher; P. E. Knight, master mechanic; Noah F. Gibson, laboratory.

## Color Terms

The report of the Sub-Committee on Color Standardization of the Research Committee, American Association of Textile Chemists and Colorists, should prove of interest to every dyer and colorist. As stated in the report there are a number of questions which this committee is attempting to answer such as: What words are used in the textile industry to describe colors and color differences? What do these words mean? What specifications relating to color are generally recognized and used in the industry? What are the important color problems? The report further states that color problems as far as dyes and textiles are concerned would involve (1) describing color appearances found in textiles, (2) measuring colors accurately and yet rapidly, (3) evaluating differences between similar colors and changes in colors and (4) evaluating whiteness, luster, bronziness, bloom and the like.

There are no formal set of terms for use in color terminology as far as the textile industry is concerned but the committee indicates a number of terms which have found common use. There is no question but what the are decided differences of opinion as far as dyers and colorists go as to the meaning of a particular color term. If sufficient interest is aroused in these subjects it will be possible to develop a generally acceptable uniform system of describing colors and color differences and thus promote a better understanding of them. The sub-committee is particularly anxious to hear your criticisms of the tentative terms which were published and your suggestions for improving or adding to them will be appreciated. We suggest that if you have not already done so read this report now and communicate your reactions either to Dr. Walter M. Scott, Chairman, Sub-Committee on Color Standardization, 857 Boylston St., Boston, Massachusetts, or to W. D. Appel, member of the Sub-Committee, National Bureau of Standards, Washington.

## Yugoslavia Textile Imports

Reports from Belgrade state that an intense struggle for the Yugoslavia textile market is going on between Germany and Italy.

Both countries want Yugoslavia raw materials and wish to pay for them only with their own manufactured articles. Yugoslavia is therefore swamped with all sorts of manufactures until she can absorb no more.

It is already being suggested that she will have to limit her purchases, especially from Germany, as Germany's debt is growing dangerously large and her financial security is regarded as not very trustworthy.

As a result of the struggle dumping prices are being offered. Export premiums and subventions make these prices unbelievably low.

British textile merchants in Belgrade say it is impossible for them to approach the prices and qualities offered by the Germans. They are further handicapped by the fact that despite the recently signed trade agreement many of them have failed so far to get import permits for their goods and have almost completely exhausted their stocks.

## Spindle Hours During February

Washington, D. C.—The census bureau announced today the cotton spinning industry during February operated at 144.8 per cent of capacity, compared with 137.7 per cent in February last year.

Spinning spindles in place February 28 totaled 27,103,076, of which 24,536,254 were active at some time during the month, compared with 27,288,050 and 24,364,802 for January this year, and 28,864,406 and 23,337,070 for February last year.

Active spindle hours totaled 8,352,662,065, or an average of 308 hours per spindle in place, compared with 8,568,958,938 and 315 for January this yer and 6,736,374,454 and 233 for February last year.

Spinning spindles in place February 28 in cotton growing states totaled 18,952,236, of which 17,760,252 were active at some time during the month, compared with 18,980,790 and 17,662,922 for January this year, and 19,163,510 and 17,208,836 for February last year.

Active spindle hours in cotton growing states totaled 6,374,864,652, or an average of 336 hours per spindle in place, compared with 6,568,244,608 and 346 for January last year, and 5,222,445,945 and 273 for February last year.

Active spindle hours and the average per spindle in place for February by states included:

Alabama, 644,349 and 341; Georgia, 1,137,357,427 and 344; Mississippi, 68,134,834 and 315; North Carolina, 1,915,610,420 and 315; South Carolina, 2,071,196,312 and 365; Tennessee, 218,872,668 and 341; Texas, 78,292,316 and 307; Virginia, 190,362,602 and 292.

## Baetjer on Excess Production

Baltimore, Md.—Reviewing the year's operations of Mt. Vernon-Woodbury Mills, Inc., whose net profit, as noted, amounted to $653,109 for 1936, Howard Baetjer, president, sounds a warning that "production of textiles in this country, as measured by the amount of cotton consumed, is now running at a rate considerably higher than ever before in its history.

"This record output can hardly be maintained for any great length of time," he asserts. "Some of the buying has been in anticipation of higher costs and for fear of delivery difficulties as stocks in primary hands became depleted. It is very doubtful if actual consumer demand is now keeping pace with current rate of production," Mr. Baetjer states. "This is the weakness in the present situation and some reaction will no doubt be witnessed during the current year."

# Southern Sources of Supply

## For Equipment, Parts, Material, Service

*Following are the addresses of Southern plants, warehouses, offices, and representatives of manufacturers of textile equipment and supplies who advertise regularly in TEXTILE BULLETIN. We realize that operating executives are frequently in urgent need of information service, equipment, parts and materials, and believe this guide will prove of real value to our subscribers.*

**ABBOTT MACHINE CO.**, Wilton, N. H. Sou. Agt., L. S. Ligon, Greenville, S. C.

**ACME STEEL CO., THE**, 2840 Archer Ave., Chicago, Ill. Sou. Sales Offices: Georgia—Atlanta, Acme Steel Co. of Ga., Inc., 603 Stewart Ave.; F. H. Webb, Mgr., 1281 Oxford Rd., N.E.; W. H. Duane, 1196 Virginia Ave., N.E. North Carolina—Charlotte, F. G. German, 1617 Beverly Drive. South Carolina—Greenville, G. R. Easley, 107 Manly St. Tennessee—Signal Mountain, W. G. Polley, 802 James Blvd. Florida—Orlando, R. N. Sillars, 605 E. Gore Ave.

**AKRON BELTING CO.**, Akron, O. Sou. Branches, 209 Johnston Bldg., Charlotte, N. C.; 905 Woodside Bldg., Greenville, S. C.; 20 Adams Ave., Memphis, Tenn.

**ALLIS-CHALMERS MFG. CO.**, Milwaukee, Wis. Sou. Sales Offices: Atlanta, Ga., Healey Bldg., Berrien Moore, Mgr.; Baltimore, Md., Lexington Bldg., A. T. Jacobson, Mgr.; Birmingham, Ala., Webb Crawford Bldg., John J. Greagan, Mgr.; Charlotte, N. C., Johnston Bldg., William Parker, Mgr.; Chattanooga, Tenn., Tennessee Electric Power Bldg., D. S. Kerr, Mgr.; Cincinnati, O., First National Bank Bldg., W. G. May, Mgr.; Dallas, Tex., Santa Fe Bldg., E. W. Burbank, Mgr.; Houston, Tex., Shell Bldg., K. P. Ribble, Mgr.; New Orleans, La., Canal Bank Bldg., F. W. Stevens, Mgr.; Richmond, Va., Electric Bldg., C. L. Crosby, Mgr.; St. Louis, Mo., Railway Exchange Bldg., C. L. Orth, Mgr.; San Antonio, Tex., Frost National Bank Bldg., Earl R. Hury, Mgr.; Tampa, Fla., 415 Hampton St., H. C. Flanagan, Mgr.; Tulsa, Okla., 18 North Guthrie St., D. M. McCargar, Mgr.; Washington, D. C., Southern Bldg., H. C. Hood, Mgr.

**AMERICAN BLOWER CORP.**, Detroit, Mich. Sou. Offices: Court Square Bldg., Baltimore, Md.; 1211 Commercial Bank Bldg., Charlotte, N. C.; Rooms 716-19, 101 Marietta St. Bldg., Atlanta, Ga.; 846 Baronne St., New Orleans, La.; 1005-6 American Bldg., Cincinnati, Ohio; 619 Mercantile Bldg., Dallas, Tex.; 201 Petroleum Bldg., 1314 Texas Ave., Houston, Tex.; 310 Mutual Bldg., Kansas City, Mo.; 620 S. 5th St., Architects & Bldrs. Exhibit Bldg., Louisville, Ky.; 1433 Oliver Bldg., Pittsburgh, Pa.; 7 North 6th St., Richmond, Va.

**AMERICAN CYANAMID & CHEMICAL CORP.**, 30 Rockefeller Plaza, New York City. Sou. Office and Warehouse, 301 E. 7th St., Charlotte, N. C., Paul Haddock, Sou. Mgr.

**AMERICAN ENKA CORP.**, 271 Church St., New York City. Sou. Rep., R. J. Mebane, Asheville, N. C.

**AMERICAN MOISTENING CO.**, Providence, R. I. Southern plant, Charlotte, N. C.

**AMERICAN PAPER TUBE CO.**, Woonsocket, R. I. Sou. Rep., Ernest F. Culbreath, P. O. Box 11, Charlotte, N. C.

**ARMSTRONG CORK PRODUCTS CO.** (Textile Division), Lancaster, Pa. Sou. Office, 33 Norwood Place, Greenville, S. C. T. L. Hill.

**ARNOLD, HOFFMAN & CO., Inc.**, Providence, R. I. Frank W. Johnson, Sou. Mgr., Box 1268, Charlotte, N. C. Sou. Reps., Robert E. Buck, Box 904, Greenville, S .C.; Harold T. Buck, 1615 12th St., Columbus, Ga.; W. Chester Cobb, Hotel Russell Erskine, Huntsville, Ala.

**ASHWORTH BROS., Inc.**, Charlotte, N .C. Sou. Offices, 44-A Norwood Place, Greenville, S. C.; 215 Central Ave., S.W., Atlanta, Ga.; Texas Rep., Textile Supply Co., Dallas, Tex.

**ATLANTA HARNESS & REED MFG. CO.**, Atlanta, Ga. G. P. Carmichael, Atlanta Office; Alabama, Georgia and Mississippi Rep., Barney R. Cole, Atlanta Office; North Carolina and South Carolina Rep., Dave Jones, Greenville, S. C.

**BAHNSON CO., THE**, Winston-Salem, N .C. North and South Carolina Rep., S. C. Stimson, Winston-Salem, N. C. Sou. Rep., I. L. Brown, 886 Drewery St., N.E., Atlanta, Ga. Northern Rep., F. S. Frambach, 703 Embree Crescent, Westfield, N. J. Western Rep., D. D. Smith, 906 W. Lovell St., Kalamazoo, Mich.

**BANCROFT BELTING CO.**, Boston, Mass. Sou. Rep., Ernest F. Culbreth, P. O. Box 11, Charlotte, N. C.

**BARBER-COLMAN CO.**, Rockford, Ill. Sou. Office, 31 W. McBee Ave., Greenville, S. C., J. H. Spencer, Mgr.

**CHARLES BOND CO.**, 617 Arch St., Philadelphia, Pa. Sou. Reps., Harold C. Smith, Greenville, S. C.; Harold C. Smith, Jr., Greenville, S. C.; John C. Turner, P .O. Box 1344, Atlanta, Ga.

**BORNE, SCRYMSER CO.**, 17 Battery Place, New York City. Sou. Mgr., H. L. Siever, P. O. Box 1169, Charlotte, N. C. Sales Reps., W. B. Uhler, 608 Palmetto St., Spartanburg, S. C.; R. C. Young, 1216 Kenilworth Ave., Charlotte, N. C.; John Ferguson, 303 Hill St., LaGrange, Ga.

**BROWN CO., DAVID**, Lawrence, Mass. Sou. Reps., Ralph Gossett, Woodside Bldg., Greenville, S. C.; William J. Moore, Woodside Bldg., Greenville, S. C.; Belton C. Plowden, Griffin, Ga.; Gastonia Mill Supply Co., Gastonia, N. C.; Russell A. Singleton, Dallas, Tex.; S. Frank Jones, 209 Johnston Bldg., Charlotte, N. C.

**BROWN & CO., D. P.**, Philadelphia, Pa. Sou. Rep., N. W. Pyle, Box 834, Charlotte, N. C.

**CAMPBELL & CO., JOHN**, 75 Hudson St., New York City. Sou. Reps., M. L. Kirby, P. O. Box 432, West Point, Ga.; Mike A. Stough, P. O. Box 701, Charlotte, N. C.; A. Max Browning, Hillsboro, N C.

**CAROLINA DRILLING & EQUIPMENT CO.**, Sanford, N. C.

**CAROLINA REFRACTORIES CO.**, Hartsville, S. C.

**CHARLOTTE CHEMICAL LABORATORIES, Inc.**, Charlotte, N. C.

**CHARLOTTE LEATHER BELTING CO.**, Charlotte, N. C.

**CIBA CO., Inc.**, Greenwich and Morton Sts., New York City. Sou. Offices and Warehouses, Charlotte, N. C.

**CLINTON CO.**, Clinton, Iowa. Sou. Agt., Luther Knowles, Jr., Box 127, Tel. 2-2486, Charlotte, N. C. Sou. Reps., Grady Gilbert, Box 127, Charlotte; Clinton Sales Co., Inc., Byrd Miller, 2 Morgan Bldg., Greenville, S. C.; Lee Gilbert, Box 481, Tel. 2913, Spartanburg, S. C.; A. C. Boyd, 1071 Bellevue Drive, N.E., Tel. Hemlock 7055, Atlanta, Ga. Stocks carried at Carolina Transfer & Storage Co., Charlotte; Consolidated Brokerage Co., Greenville, S. C. Atlanta Service Warehouse, Atlanta.

**COMMERCIAL FACTORS CORP.**, 2 Park Ave., New York City. Sou. Rep., T. Holt Haywood, Reynolds Bldg., Winston-Salem, N. C.

**CORN PRODUCTS REFINING CO.**, 17 Battery Place, New York City. Corn Products Sales Co., Greenville, S. C., John R. White, Mgr.; Corn Products Sales Co., Montgomery Bldg., Spartanburg, S. C., J. Canty Alexander, Asst. Sou. Mgr.; Corn Products Sales Co. (Mill and Paper Starch Div.), Hurt Bldg., Atlanta, Ga., C. G. Stover, Mgr.; Corn Products Sales Co., 824-25 N. C. Bank Bldg., Greensboro, N. C., W. R. Joyner, Mgr.; Corn Products Sales Co., Comer Bldg., Birmingham, Ala., L. H. Kelley, Mgr. Stocks carried at convenient points.

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**CROMPTON & KNOWLES LOOM WORKS**, Worcester, Mass. Sou. Plant, Charlotte, N. C.

**CUTLER, ROGER W.**, 141 Milk St., Boston, Mass. Sou. Office, Woodside Bldg., Greenville, S. C. Sou. Agents: B. L. Stewart Roller Shop, Laurinburg, N. C.; Dixie Roller Shop, Rockingham, N. C.; A. J. Whittemore & Sons, Burlington, N. C.; The Georgia Roller Covering Co., Griffin, Ga.; Textile Roll Covering Works, LaGrange, Ga.; East Point Roller Cov. Co., East Point, Ga.; Dixie Roll & Cot Co., Macon, Ga.; Morrow Roller Shop, Albemarle, N. C.; Peerless Roll Covering Co., Chattanooga, Tenn.; Textile Roll & Cot Co., Dallas, Tex.; Greenville Textile Supply Co., Greenville, S. C.; Anniston Roll Covering Co., Anniston, Ala.

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**DENISON MFG. CO., THE**, 145 Lyman St., Asheville, N. C. Sou. Rep., L. B. Denison, Genl. Mgr.

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**DRAPER CORPORATION**, Hopedale, Mass. Sou. Rep., E. N. Darrin, Vice-Pres.; Sou. Offices and Warehouses, 242 Forsyth St., S.W., Atlanta, Ga., W. M. Mitchell; Spartanburg, S. C., Clare H. Draper, Jr.

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**GILMER CO., L. H.**, Tacony, Philadelphia, Pa. Sou. Factory Rep., William W. Conrad, Greenwood, S. C. Sou. Mill Supply Distributors: Alabama—Owens-Richards Co., Inc., Birmingham; Southern Bearing & Parts Co., Birmingham; Selma Foundry & Machine Co., Selma. Florida—Llewellwyn Machinery Corp., Miami; Harry P. Leue, Inc., Orlando; Johnston Engineering Corp., St. Petersburg; Southern Pump & Supply Co., Tampa. Georgia—Fulton Supply Co., Atlanta; Corbin Supply Co., Macon: Mill & Ship Supply Co., Savannah (formerly John D. Robinson Co. Mississippi—Soule Steam Feed Works, Meridian. North Carolina—McLeod Leather & Belting Co., Greensboro; Odell Mill Supply Co., Greensboro. South Carolina—Greenville Textile Supply Co., Greenville. Tennessee—Rogers-Bailey Hardware Co., Chattanooga; Browning Belting Co., Knoxville; J. E. Dilworth Co., Memphis; Nashville Machine & Supply Co., Nashville. Virginia—Todd Co., Inc., Norfolk; Smith-Courtney Co., Richmond; Johnston Electric Co., Staunton. West Virginia—Central Electric Repair Co., Fairmont.

**GOODYEAR TIRE & RUBBER CO., Inc., The**, Akron, O. Sou. Reps., W. C. Killick, 205-207 E. 7th St., Charlotte, N. C.; P. B. Eckels, 141 N. Myrtle Ave., Jacksonville, Fla.; Boyd Arthur, 713-715 Linden Ave., Memphis, Tenn.; T. F. Stringer, 500-6 N. Carrollton Ave., New Orleans, La.; E. M. Champion, 709-11 Spring St., Shreveport, La.; Paul Stevens, 1609-11 First Ave., N. Birmingham, Ala.; B. S. Parker, Jr., Cor. W. Jackson and Oak Sts., Knoxville, Tenn.; E. W. Sanders, 209 E. Broadway, Louisville, Ky.; H. R. Zierach, 1225-31 W. Broad St., Richmond, Va.; J. C. Pye, 191-199 Marietta St., Atlanta, Ga.

**GRASSELLI CHEMICAL CO.**, Cleveland, O. Sou. Office and Warehouse, 302 W. First St., Charlotte, N. C.

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**GREENVILLE BELTING CO.**, Greenville, S. C.

**GREENSBORO LOOM REED CO.**, Box 1375, Greensboro, N. C. Phone Greensboro 5071 collect. Geo. A. McFetters, Pres. and Mgr.; Geo. H. Batchelor, sales manager.

**GULF OIL CORPORATION OF PA.**, Successor to **GULF REFINING CO.**, Pittsburgh, Pa. Division Sales Offices: Atlanta, Ga.—A. W. Ripley, Greenville, S. C.; T. C. Scaffe, Spartanburg, S. C.; J. H. Hooten, Gastonia, N. C.; R. G. Burkhalter, Charlotte, N. C.; G. P. King, Jr., Augusta, Ga.; Boston, Mass.; New York, N. Y.; Philadelphia, Pa.; New Orleans, La.; Houston, Tex.; Louisville, Ky.; Toledo, O.

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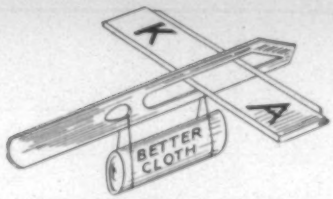
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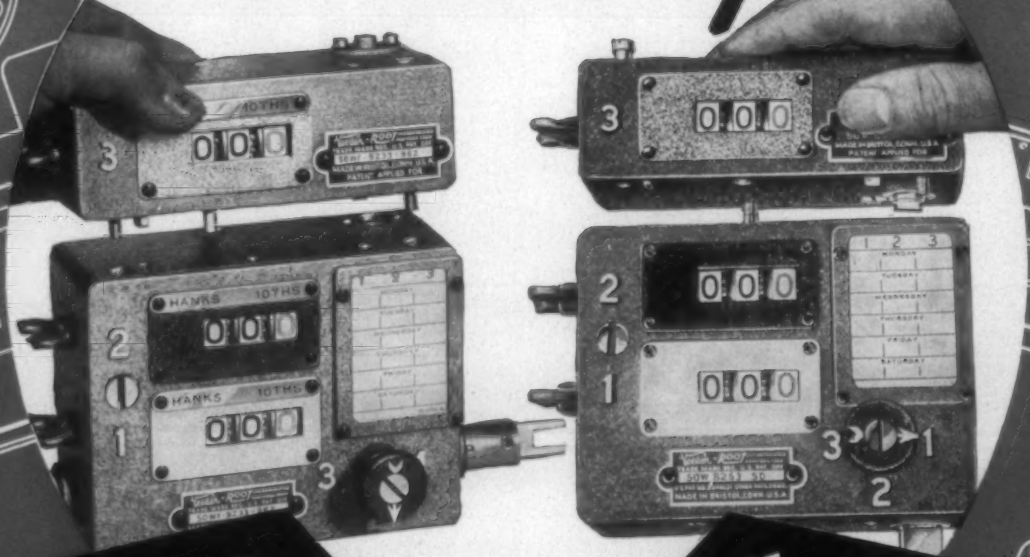
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